

~~AT~~  
AT

**Unit 2 Burn and rust - Oxygen**

**Warmer**

1. Try to describe the phenomenon(現象) of burning?  
The color have blue, red, orange, it gont burning, it'll bright a few time and gone.
2. Please write the properties of oxygen.  
There no color and no oder, can helps burn too. no order = 無味
3. Please write one application of oxygen in daily life.  
Help breath, help dive in water of oxygen can to breath too.

**Concept**

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms(金針菇) and shaking it.	(1) <u>hydroger peroxide</u> (2) <u>oxygen</u> (3) <u>jar</u> (4) <u>candle</u>
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	(5) <u>air</u> (6) <u>burn</u>

**Content**

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

- a) Why does it get dark without oxygen?  
Because sunlight surface to Earth  $CO_2$ , and it get dark.
- b) Why did the car fall into the hole without oxvgen?  
Because the oxygen gone, the crust need the oxygen too.
- c) Why do we have no water without oxygen?  
Because the water have oxygen, and will being gone without sunlight.

**Think**

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	<u>3</u>	<u>2</u>	<u>1</u>	<u>4</u>



A+4

### Unit 2 Burn and rust - Oxygen

**Warmer**

1. Try to describe the phenomenon (現象) of burning?

It's red, orange, yellow and blue.

2. Please write the properties of oxygen.

No odor, color, 助燃

3. Please write one application of oxygen in daily life.

Hospital's 呼吸器.

**Concept**

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms (金針菇) and shaking it.	(1) hydrogen peroxide ✓ (2) Oxygen ✓ (3) jar ✓ (4) candle ✓ (5) air ✓ (6) burn ✓
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	

**Content**

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

Because 光照靠地球 need 氧氣。(折射)

b) Why did the car fall into the hole without oxygen?

Because 如果氧氣沒了, 土地的氧氣也會消失, 就會有洞。

c) Why do we have no water without oxygen?

Because there's 33% oxygen in the water.

**Think**

Experience: When comparing pork liver (豬肝), enoki mushroom (金針菇), radish (蘿蔔), and manganese dioxide as catalysts (二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	3	1	2	2+

Unit 2 Burn and rust - Oxygen

Warmer

1. Try to describe the phenomenon (現象) of burning?

紅色、藍色

2. Please write the properties of oxygen.

助燃、無色

氧氣

No odor

3. Please write one application of oxygen in daily life.

呼吸

Concept

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1) jar</u> to produce <u>(2) oxygen</u> by pouring it into a <u>(3) jar</u> containing enoki mushrooms (金針菇) and shaking it.	(1) <u>hydrogen</u>
	(2) <u>oxygen</u>
	(3) <u>jar</u>
2. <u>(4) candles</u> need <u>(5) air</u> to <u>(6) burn</u> .	(4) <u>candle</u>
	(5) <u>air</u>
	(6) <u>burn</u>

Content

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

我們看不到光是因為空氣反射所以如果沒有氧氣就看不到

b) Why did the car fall into the hole without oxygen?

因為地球中心有空氣如果空氣沒了就會掉下去

c) Why do we have no water without oxygen?

水裡也有空氣所以如果水裡的空氣沒了水就會變的很

Think

Experience: When comparing pork liver (豬肝), enoki mushroom (金針菇), radish (蘿蔔), and manganese dioxide as catalysts (二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	3	1	2	4

A++

Unit 2 Burn and rust - Oxygen

Warmer

1. Try to describe the phenomenon(現象) of burning?

It's red, orange, yellow and blue.

2. Please write the properties of oxygen.

No order, color, and 助燃

3. Please write one application of oxygen in daily life.

Hospital 呼吸器

Concept

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use __ (1) __ to produce __ (2) __ by pouring it into a __ (3) __ containing enoki mushrooms(金針菇) and shaking it.	(1) hydrogen peroxide
	(2) Oxygen
	(3) jar
	(4) candle
2. __ (4) __s need __ (5) __ to __ (6) __.	(5) air
	(6) burn

Content

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為光照進來需要折射

b) Why did the car fall into the hole without oxygen?

因為如果氣氣沒了土地中氣氣就沒了才會洞。

c) Why do we have no water without oxygen?

Because there ve oxygen in the water.

Think

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	3	1	2	4



### Unit 2 Burn and rust - Oxygen

#### Warmer

1. Try to describe the phenomenon(現象) of burning?

It red and yellow and orange and blue.



2. Please write the properties of oxygen.

無色、無味、助燃

3. Please write one application of oxygen in daily life.

氧氣照

#### Concept

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms(金針菇) and shaking it.	(1) hydrogen peroxide (2) Oxygen (3) jar (4) candle
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	(5) air (6) burn

#### Content

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為光照進來需要折射

b) Why did the car fall into the hole without oxygen?

因為如果氧氣沒了，土地的氧氣就沒了，才會有洞。

c) Why do we have no water without oxygen?

Because there's oxygen in the water.

#### Think

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	3	1	2	4

**Unit 2 Burn and rust - Oxygen**

**Warmer**

1. Try to describe the phenomenon(現象) of burning?

紅色 

2. Please write the properties of oxygen.

助燃 無色無味

3. Please write one application of oxygen in daily life.

呼吸 氧氣瓶。

**Concept**

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms(金針菇) and shaking it.	(1) <u>hydrogen peroxide</u> (2) <u>oxygen</u> (3) <u>jar</u>
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	(4) <u>candle</u> (5) <u>air</u> (6) <u>burn</u>

**Content**

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為光照到地球需要空氣折射，空氣中有氧氣

b) Why did the car fall into the hole without oxygen?

因為如果氧氣沒了，土地中的氧氣就沒了，梅有洞。

c) Why do we have no water without oxygen?

Because there 33% oxygen in the water.

**Think**

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	<u>3</u>	<u>2</u>	<u>1</u>	<u>4</u>

A++

Unit 2 Burn and rust - Oxygen

Warmer

1. Try to describe the phenomenon(現象) of burning?

它的外面是紅色和橙色，熄滅時會突然亮一下再冒出白煙

2. Please write the properties of oxygen.

No odor 無色、無味 (不助燃)

3. Please write one application of oxygen in daily life.

醫院裡的氧氣罩



Concept

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms(金針菇) and shaking it.	(1) <u>hydrogen peroxide</u>
	(2) <u>Oxygen</u>
	(3) <u>jar</u>
	(4) <u>candle</u>
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	(5) <u>air</u>
	(6) <u>burn</u>

Content

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

Because 光照到地需要空氣折射，空氣中有氧氣。

b) Why did the car fall into the hole without oxygen?

Because crust have oxygen, so if don't have oxygen, It

c) Why do we have no water without oxygen?

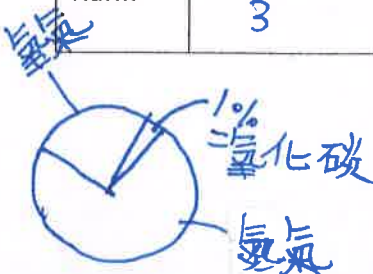
Because water have 33% is oxygen.

will have a cave.

Think

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	<u>3</u>	<u>2</u>	<u>1</u>	<u>4</u>



### Unit 2 Burn and rust - Oxygen

**Warmer**

1. Try to describe the phenomenon(現象) of burning?

The color have blue, red, orange. 如果火要熄滅了,會突然亮一下。

2. Please write the properties of oxygen.

No color, no odor, can help burn too.

odor = 無味

3. Please write one application of oxygen in daily life.

呼吸

**Concept**

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms(金針菇) and shaking it.	(1) <u>hydrogen peroxide</u>
	(2) <u>Oxygen</u>
	(3) <u>jar</u>
	(4) <u>candle</u>
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	(5) <u>air</u>
	(6) <u>burn</u>

**Content**

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

Because sunlight reaches the earth's surface due to multiple reflections that

b) Why did the car fall into the hole without oxygen?

Because oxygen constitutes 45% of the Earth's crust.

c) Why do we have no water without oxygen?

Because there has 33% in the water.

occur when light particles bounce off the particles in the air.

**Think**

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	3	2	1	4



Unit 2 Burn and rust - Oxygen

Warmer

1. Try to describe the phenomenon (現象) of burning?

紅色藍色、有煙 ✓

2. Please write the properties of oxygen.

無色、無味、助燃 ✓

3. Please write one application of oxygen in daily life.

呼吸、氧氣瓶、打氣 ✓

Concept

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use ___(1)___ to produce ___(2)___ by pouring it into a ___(3)___ containing enoki mushrooms (金針菇) and shaking it.	(1) hydrogen peroxide ✓ (2) oxygen ✓ (3) jar ✓ (4) candle ✓
2. ___(4)___s need ___(5)___ to ___(6)___.	(5) air ✓ (6) burn ✓

Content

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為日光照到地，需要空氣折射，空氣中有氧氣 ✓

b) Why did the car fall into the hole without oxygen?

Because oxygen constitutes 45% of the Earth's crust. ✓

c) Why do we have no water without oxygen?

Because there has 33% in the water. ✓

Think

Experience: When comparing pork liver (豬肝), enoki mushroom (金針菇), radish (蘿蔔), and manganese dioxide as catalysts (二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	3	2	1	4

**Unit 2 Burn and rust - Oxygen**

**Warmer**

1. Try to describe the phenomenon(現象) of burning?

A: 紅黃色

2. Please write the properties of oxygen.

A: 無色、無味、可助火燃

3. Please write one application of oxygen in daily life.

A: 呼吸

**Concept**

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms(金針菇) and shaking it.	(1) <u>hydrogen</u>
	(2) <u>Oxygen</u>
	(3) <u>jar</u>
	(4) <u>candle</u>
	(5) <u>air</u>
	(6) <u>burn</u>
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	

**Content**

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因光需要空氣折射。

b) Why did the car fall into the hole without oxygen?

因氧氣沒了,土地也會缺氧、崩垮。

c) Why do we have no water without oxygen?

因水中有33%是氧氣。

**Think**

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	1	3	4	2

A++

### Unit 2 Burn and rust - Oxygen

**Warmer**

1. Try to describe the phenomenon(現象) of burning?

橙、紅、黃 (顏色)

2. Please write the properties of oxygen.

無色無味助燃

3. Please write one application of oxygen in daily life.

幫助呼吸

**Concept**

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms(金針菇) and shaking it.	(1) <u>hydrogen peroxide</u> (2) <u>Oxygen</u> (3) <u>jar</u> (4) <u>candles</u>
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	(5) <u>air</u> (6) <u>burn</u>

**Content**

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

Because 光照進來 need 空氣才能折射.

b) Why did the car fall into the hole without oxygen?

Because 土地裡沒有氧, 就會鬆掉, 崩裂.

c) Why do we have no water without oxygen?

Because water's 33% is ~~water~~ oxygen.

**Think**

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalyts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalyts
Rank	1	3	4	2

Unit 2 Burn and rust - Oxygen

Warmer

燃燒中

1. Try to describe the phenomenon(現象) of burning?



2. Please write the properties of oxygen.

A: 無色、無味、可助燃

3. Please write one application of oxygen in daily life.

潛水用的氧氣瓶、呼吸

Concept

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms(金針菇) and shaking it.	(1) <u>hydrogen peroxide</u>
	(2) <u>Oxygen</u>
	(3) <u>jar</u>
	(4) <u>candle</u>
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	(5) <u>air</u>
	(6) <u>burn</u>

Content

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為光需要空氣折射。

b) Why did the car fall into the hole without oxygen?

因為氧氣沒了，土地也會沒有空氣，會有洞！

c) Why do we have no water without oxygen?

因為水中有 33% 都是氧氣。

Think

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	1.	3.	4.	2.

A++

Unit 2 Burn and rust - Oxygen

Warmer

1. Try to describe the phenomenon(現象) of burning?

紅色、藍色

2. Please write the properties of oxygen.

無色無味、助燃

氧氣



3. Please write one application of oxygen in daily life.

呼吸、氧氣袋、潛水

Concept

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms(金針菇) and shaking it.	(1) jar hydrogen peroxide
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	(2) Oxygen
	(3) hydrogen peroxide
	(4) candle
	(5) air
	(6) burn

Content

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為光照起來空氣才能折射

b) Why did the car fall into the hole without oxygen?

因為大氣有氧，土地也要氧

c) Why do we have no water without oxygen?

因為水中有33%是氧氣

Think

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	1	3	4	2

AHF

**Unit 2 Burn and rust - Oxygen**

**Warmer**

1. Try to describe the phenomenon (現象) of burning?

A: ~~燃燒~~ 可燃物 助燃物



2. Please write the properties of oxygen.

A: 無色 無味 可助燃

3. Please write one application of oxygen in daily life.

A: ~~呼吸~~ 呼吸罩 罩

**Concept**

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms (金針菇) and shaking it.	(1) <del>jar</del> hydrogen peroxide ✓
	(2) <del>oxygen</del> oxygen ✓
	(3) <del>hydrogen peroxide</del> jar ✓
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	(4) <del>burn</del> candle ✓
	(5) air ✓
	(6) burn ✓

**Content**

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為光需要空氣折射。 ✓

b) Why did the car fall into the hole without oxygen?

氧氣沒了土地裡的氧氣會不見車子就會掉下去。 ✓

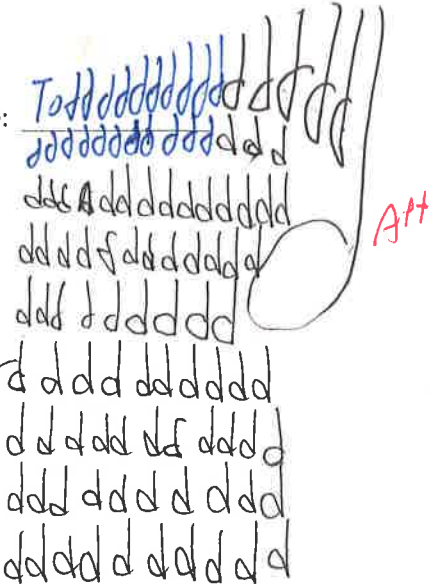
c) Why do we have no water without oxygen?

因為水中有33%是氧氣 ✓

**Think**

Experience: When comparing pork liver (豬肝), enoki mushroom (金針菇), radish (蘿蔔), and manganese dioxide as catalysts (二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	7	3	4	2



Unit 2 Burn and rust - Oxygen

Warmer

1. Try to describe the phenomenon (現象) of burning?

它燒的時候會長樣子

2. Please write the properties of oxygen.

無味無色可助燃

3. Please write one application of oxygen in daily life.

呼吸、氧氣瓶、醫藥用品

Concept

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms (金針菇) and shaking it.	(1) <u>hydrogen peroxide</u> (2) <u>oxygen</u> (3) <u>jar</u> (4) <u>candle</u>
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	(5) <u>air</u> (6) <u>burn</u>

Content

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為折射

b) Why did the car fall into the hole without oxygen?

因為土地要氧氣所以有洞

c) Why do we have no water without oxygen?

因為水裡有氧氣

Think

Experience: When comparing pork liver (豬肝), enoki mushroom (金針菇), radish (蘿蔔), and manganese dioxide as catalysts (二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	1	3	4	2

Unit 2 Burn and rust - Oxygen

Warmer

1. Try to describe the phenomenon (現象) of burning? (試著描述火燃燒的現象)



2. Please write the properties of oxygen. (請寫出氧氣的特徵)

無色、無味、助燃物

3. Please write one application of oxygen in daily life. (氧氣的應用)

潛水時的氧氣筒。

Concept

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms (金針菇) and shaking it.	(1) hydrogen peroxide
	(2) Oxygen
	(3) jar
	(4) candle
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	(5) burn
	(6) air

Content

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為光照地球，需要空氣折射，空氣中有氧氣。

b) Why did the car fall into the hole without oxygen?

氧氣沒了，土地上的氧氣就會消失，造成土地上有洞。

c) Why do we have no water without oxygen?

因為水的組成也有氧氣。

Think

Experience: When comparing pork liver (豬肝), enoki mushroom (金針菇), radish (蘿蔔), and manganese dioxide as catalysts (二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	1	3	4	2



A++

Unit 2 Burn and rust - Oxygen

5

Warmer

1. Try to describe the phenomenon(現象) of burning?

2. Please write the properties of oxygen.

無色、無味、可助燃

3. Please write one application of oxygen in daily life.

breath、打氣、呼吸罩、潛水筒

Concept

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use __ (1) __ to produce __ (2) __ by pouring it into a __ (3) __ containing enoki mushrooms(金針菇) and shaking it.	(1) hydrogen peroxide
	(2) Oxygen
	(3) jar
	(4) candle
2. __ (4) __s need __ (5) __ to __ (6) __.	(5) air
	(6) burn

Content

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為光照進來地球須要空氣折射，空氣中有氧氣。

b) Why did the car fall into the hole without oxygen?

因為如果氧氣沒了，土地中的氧氣就沒了，才有洞。

c) Why do we have no water without oxygen?

Because there're 33% oxygen in the water.

Think

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	1	3	4	2

Unit 2 Burn and rust - Oxygen

Warmer

1. Try to describe the phenomenon(現象) of burning?

When the fire is burning, there have many color, like blue, orange.

2. Please write the properties of oxygen.

There don't no color, and help to burn.

3. Please write one application of oxygen in daily life.

Help me breath.

Concept

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use (1) to produce (2) by pouring it into a (3) containing enoki mushrooms(金針菇) and shaking it.	(1) hydrogen peroxide
	(2) oxygen
	(3) jar
2. (4)s need (5) to (6).	(4) candle
	(5) air
	(6) burn

Content

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

Because the light need oxygen to 折射 to world.

b) Why did the car fall into the hole without oxygen?

Because the ground have some oxygen, and when we don't have oxygen,

c) Why do we have no water without oxygen?

Because water is made of to H<sub>2</sub> and O.

we will fall to hole!

Think

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	2	3	4	1

A++

NO

odor = 無味

Unit 2 Burn and rust - Oxygen

Warmer

1. Try to describe the phenomenon(現象) of burning?

有時紅有時橘, 有時 blue.

2. Please write the properties of oxygen?

無色, 無味, 可助火燃

3. Please write one application of oxygen in daily life?

呼吸, 打氣, 呼吸罩, 氧氣筒

Concept

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use __ (1) __ to produce __ (2) __ by pouring it into a __ (3) __ containing enoki mushrooms(金針菇) and shaking it.	(1) hydrogen peroxide ✓ (2) Oxygen ✓ (3) jar ✓ (4) candle ✓
2. __ (4) __s need __ (5) __ to __ (6) __.	(5) air ✓ (6) burn ✓

Content

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為光線折射

b) Why did the car fall into the hole without oxygen?

因為如果氧氣沒了, 土也中的氧氣也沒了, 才會存洞

c) Why do we have no water without oxygen?

Because there're 33% oxygen in the water.

Think

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	1	3	4	2 ✓

A+

Unit 2 Burn and rust - Oxygen

Warmer

1. Try to describe the phenomenon(現象) of burning?

火熄了!

2. Please write the properties of oxygen.

無色無味

3. Please write one application of oxygen in daily life.

呼吸

Concept

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use __ (1) __ to produce __ (2) __ by pouring it into a __ (3) __ containing enoki mushrooms(金針菇) and shaking it.	(1) hydrogen peroxide ✓ (2) oxygen ✓ (3) jar ✓ (4) candle ✓ (5) air ✓ (6) burn ✓
2. __ (4) __s need __ (5) __ to __ (6) __.	

Content

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

Because the light need oxygen

b) Why did the car fall into the hole without oxygen?

Because ground have some oxygen, and when we don't have oxygen

c) Why do we have no water without oxygen?

B.

Think

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	2	3	4	1

A1

**Unit 2 Burn and rust - Oxygen**

**Warmer**

1. Try to describe the phenomenon(現象) of burning?



2. Please write the properties of oxygen. ✓

無色無味，並且力燃

3. Please write one application of oxygen in daily life. ✓

呼吸

**Concept**

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use __ (1) __ to produce __ (2) __ by pouring it into a __ (3) __ containing enoki mushrooms(金針菇) and shaking it.	(1) hydrogen peroxide ✓ (2) oxygen ✓ (3) jar ✓ (4) candle ✓
2. __ (4) __s need __ (5) __ to __ (6) __.	(5) air ✓ (6) burn ✓

**Content**

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為光要透過空氣中的分子折身。

b) Why did the car fall into the hole without oxygen?

因為土地中有氧氣。

c) Why do we have no water without oxygen?

因為水是一個氧和兩個氫做的，沒有氧氣，水就會化成氫氣。

**Think**

**Experience:** When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	2	3	4	1

### Unit 2 Burn and rust - Oxygen

**Warmer**

1. Try to describe the phenomenon(現象) of burning?



2. Please write the properties of oxygen.

No color, No order, help to burn.

3. Please write one application of oxygen in daily life.



**Concept**

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms(金針菇) and shaking it.	(1) <u>hydrogen peroxide</u> (2) <u>oxygen</u> (3) <u>jar</u> (4) <u>candle</u>
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	(5) <u>air</u> (6) <u>burn</u>

**Content**

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為光是透過空氣中的粒子折射。

b) Why did the car fall into the hole without oxygen?

因為地球的土地有氧氣在裡面，沒了氧氣，地板就會塌陷。

c) Why do we have no water without oxygen?

Because there're oxygen in the water.

**Think**

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	2	3	4	1

### Unit 2 Burn and rust - Oxygen

**Warmer**

1. Try to describe the phenomenon(現象) of burning?
2. Please write the properties of oxygen.
3. Please write one application of oxygen in daily life.

**Concept**

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use __ (1) __ to produce __ (2) __ by pouring it into a __ (3) __ containing enoki mushrooms(金針菇) and shaking it.	(1) _____ (2) _____ (3) _____ (4) _____
2. __ (4) __s need __ (5) __ to __ (6) __.	(5) _____ (6) _____

**Content**

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為我們需要光透過氧原子折射。

b) Why did the car fall into the hole without oxygen?

因為土地裡也有空氣

c) Why do we have no water without oxygen?

Because there're oxygen in the water

**Think**

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank				

A+H

### Unit 2 Burn and rust - Oxygen

**Warmer**

1. Try to describe the phenomenon(現象) of burning?



2. Please write the properties of oxygen.

無色、無味、助燃

3. Please write one application of oxygen in daily life.

breath、air、Oxygen

**Concept**

burn (燃燒)	air (空氣)	Oxygen (氧氣)
jar (廣口瓶)	candle (蠟燭)	hydrogen peroxide (雙氧水)

1. We can use <u>(1)</u> to produce <u>(2)</u> by pouring it into a <u>(3)</u> containing enoki mushrooms(金針菇) and shaking it.	(1) <u>hydrogen peroxide</u> (2) <u>Oxygen</u> (3) <u>jar</u>
2. <u>(4)</u> s need <u>(5)</u> to <u>(6)</u> .	(4) <u>Candle</u> (5) <u>air</u> (6) <u>burn</u>

**Content**

Watch the Dr Binocs Show video about if the world lost oxygen for 5 seconds.

a) Why does it get dark without oxygen?

因為光靠折射。

b) Why did the car fall into the hole without oxygen?

因為如果氧氣沒了，土地中的氧氣也會沒了，所以有洞。

c) Why do we have no water without oxygen?

因為水裡面有33%的氧氣

**Think**

Experience: When comparing pork liver(豬肝), enoki mushroom(金針菇), radish(蘿蔔), and manganese dioxide as catalysts(二氧化錳), which one produces oxygen in the best condition?

Sort	comparing pork liver	enoki mushroom	radish	manganese dioxide as catalysts
Rank	1	3	4	2