

董雲綺 A1

**Observing the sun-A planet that glows and heats**

**Warmer**

1. What do think of the sun? I think the sun is star
2. What can you make by playing shadow games? 狗
3. The relationship between of sun position and shadow? 狗

**Language**

Earth	distance	surface
temperature	age	mass

1. The mass of the sun is 333 thousand times the mass of Earth.
2. The temperature of the sun's surface is 5,500 degrees °C
3. The age of the sun is 4.5 billion years.
4. The distance from the sun to the earth is 150 million kilometers.

**Content**

Watch a video of The Sun (3:35) and discuss the following questions in a small group.

1. Why we see the sun seems much bigger and brighter than any other star?
2. How long has it been shining in space?
3. How many planets the size of our earth can fit inside the sun?

Notes: ① 因為它离我们最近
② 4.5 billion years.
③ 130萬顆

**Thinking**

1. Please draw the tree, the sun and the shadow.



**Observing the sun-A planet that glows and heats**

**Warmer**

1. What do think of the sun? 高
2. What can you make by playing shadow games? dog
3. The relationship between of sun position and shadow? 光照射物體時擋住的區域  
關係

**Language**

Earth	distance	surface
temperature	age	mass

mass: 質量

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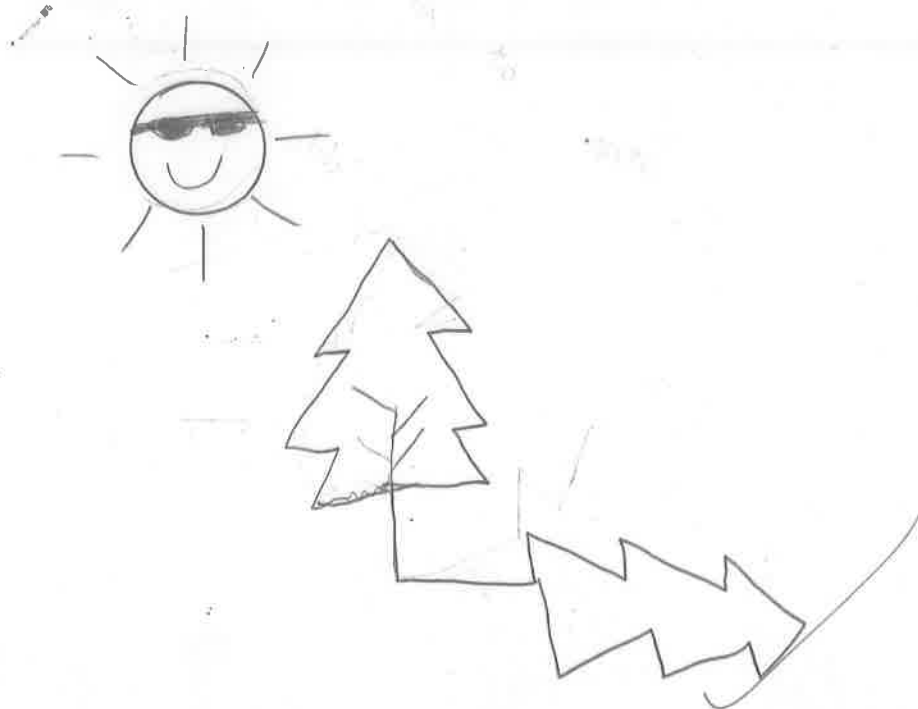
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1. Why we see the sun seems much bigger and brighter than any other star?
2. How long has it been shining in space?
3. How many planets the size of our earth can fit inside the sun?

Notes: 因為它是距離我們最近
2. 4.5億年
3. 1,300,000個地球

**Thinking**

1. Please draw the tree, the sun and the shadow.



ATY

Observing the sun-A planet that glows and heats

Warmer

1. What do think of the sun? I think the sun is very hot
2. What can you make by playing shadow games? I can't 比不出
3. The relationship between of sun position and shadow? 太陽越高 影子越短

Language 關係

Earth	distance	surface
temperature	age	mass 質量

1. The mass of the sun is 333 thousand times the mass of Earth.
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1. Why we see the sun seems much bigger and brighter than any other star? 4, 5
2. How long has it been shining in space?
3. How many planets the size of our earth can fit inside the sun?

Notes: ① 因為它離我們最近
② 4.5億年
③ 130萬顆地球

Thinking

1. Please draw the tree, the sun and the shadow.



solar system

Observing the sun-A planet that glows and heats

Warmer

1. What do think of the sun? hot and hot
2. What can you make by playing shadow games? dog, swan and spider
3. The relationship between of sun position and shadow? 光 light

Language

Earth 地球	distance 距離	surface 表面
temperature 溫度	age 年齡	mass 質量

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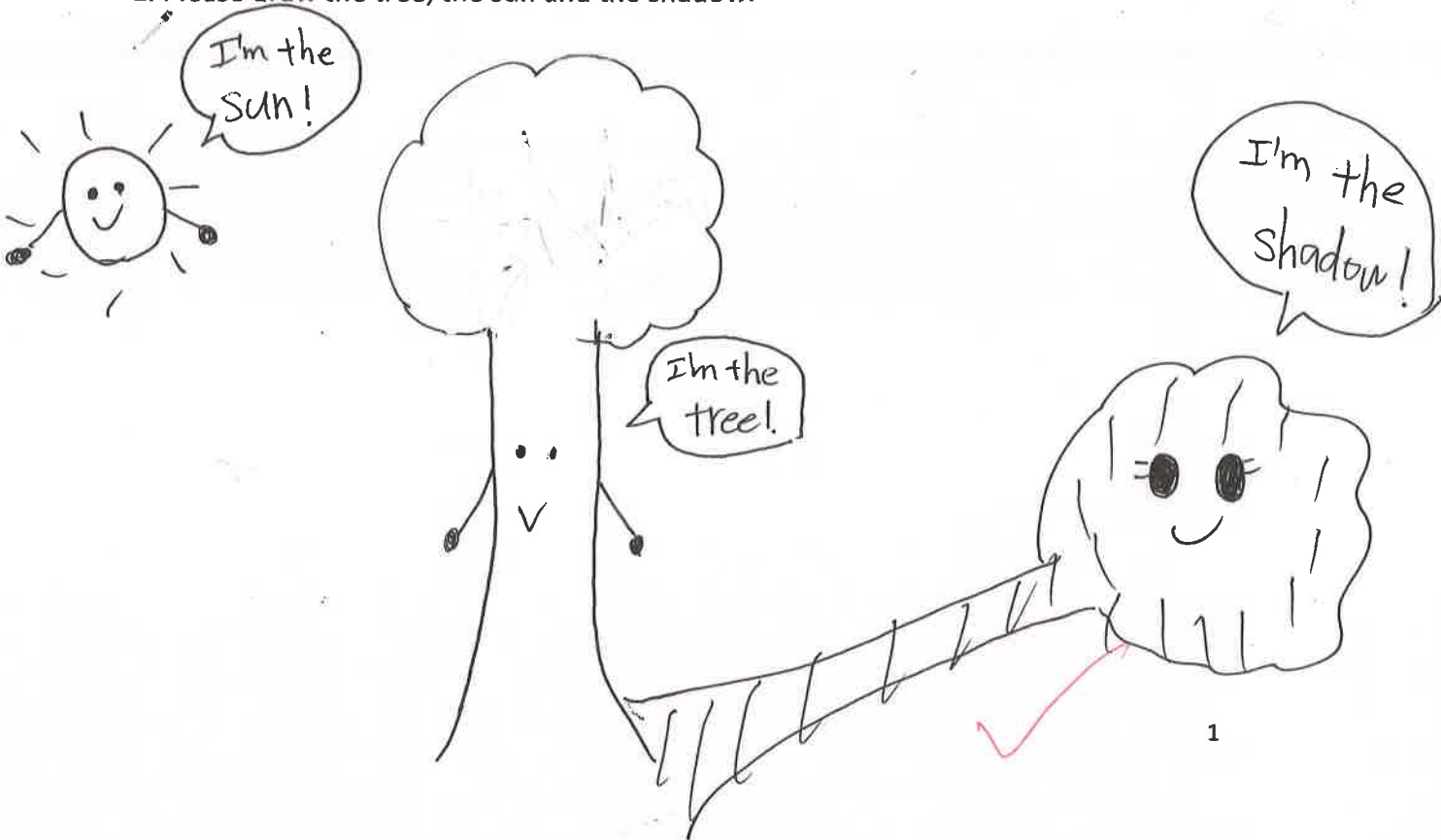
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2. How long has it been shining in space?
3. How many planets the size of our earth can fit inside the sun?

Notes: 1. 因為太陽與我們最近。 2. 4.5億年 3. 13萬顆地球

Thinking

1. Please draw the tree, the sun and the shadow.



### Observing the sun-A planet that glows and heats

**Warmer**

1. What do you think of the sun?
2. What can you make by playing shadow games?
3. The relationship between of sun position and shadow?

bird  
關係  
影子和太陽

**Language**

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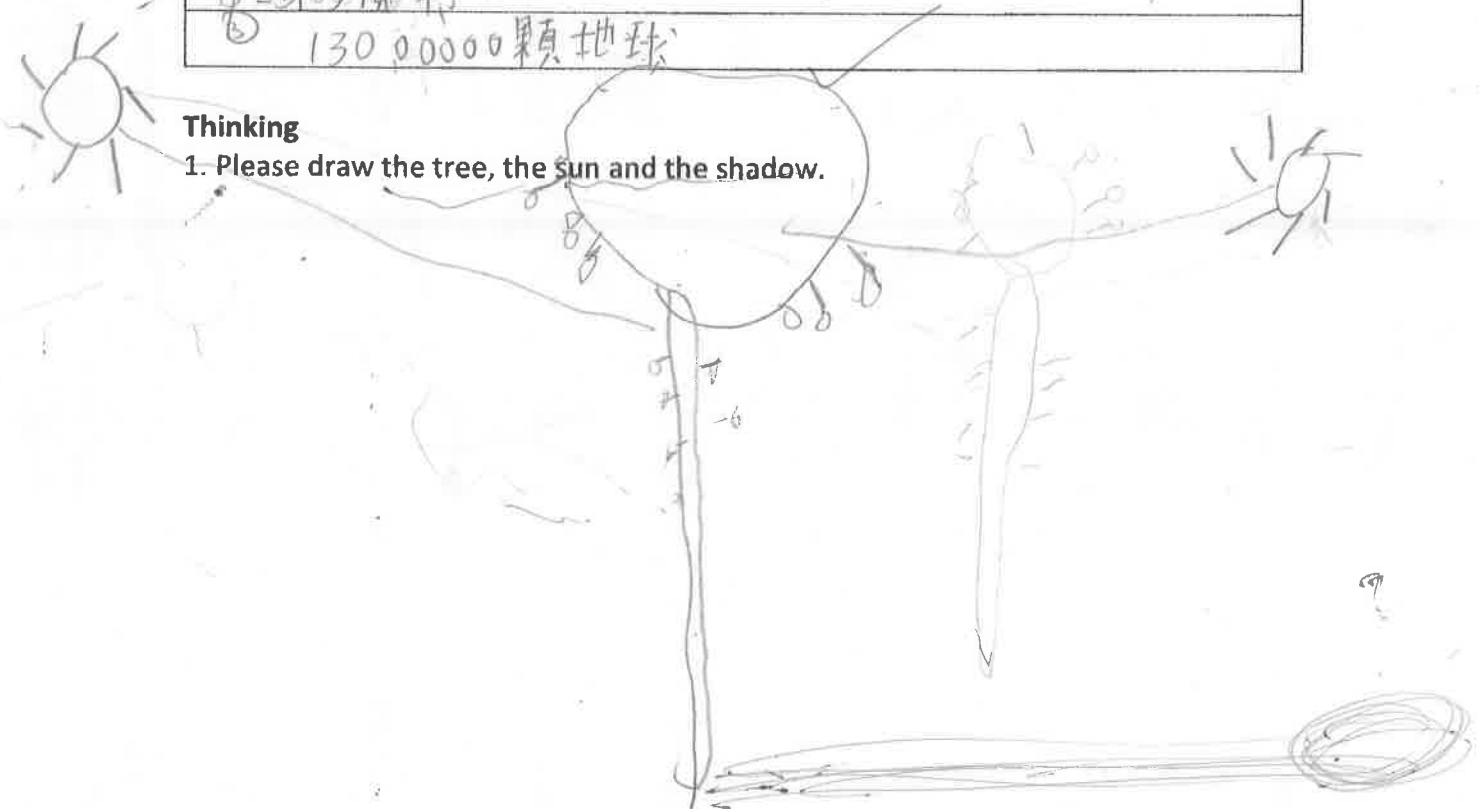
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Notes: ① 因為太陽離我們最近 4.5倍
② 24.5億年
③ 130,000,000顆地球

**Thinking**

1. Please draw the tree, the sun and the shadow.





**Observing the sun-A planet that glows and heats**

**Warmer**

1. What do think of the sun? *I think the sun is hot and bright.*
2. What can you make by playing shadow games? *a butterfly - a dog, a spider. by playing a shadow game.*
3. The relationship between of sun position and shadow? *When you want to make shadow, you need light,*

**Language**

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1. Why we see the sun seems much bigger and brighter than any other star?
2. How long has it been shining in space?
3. How many planets the size of our earth can fit inside the sun?

Notes

- ① Because our planet is close to the Sun.
- ② It shined 4.5 billion years in space.
- ③ It can fit 1300000 Earth inside the sun.

**Thinking**

1. Please draw the tree, the sun and the shadow.



*So sun is the brightest light, this is the relationship between, the sun and the shadow.*

A+

### Observing the sun-A planet that glows and heats

#### Warmer

1. What do you think of the sun? hot light
2. What can you make by playing shadow games? dog bird
3. The relationship between of sun position and shadow? Shadow is

#### Language

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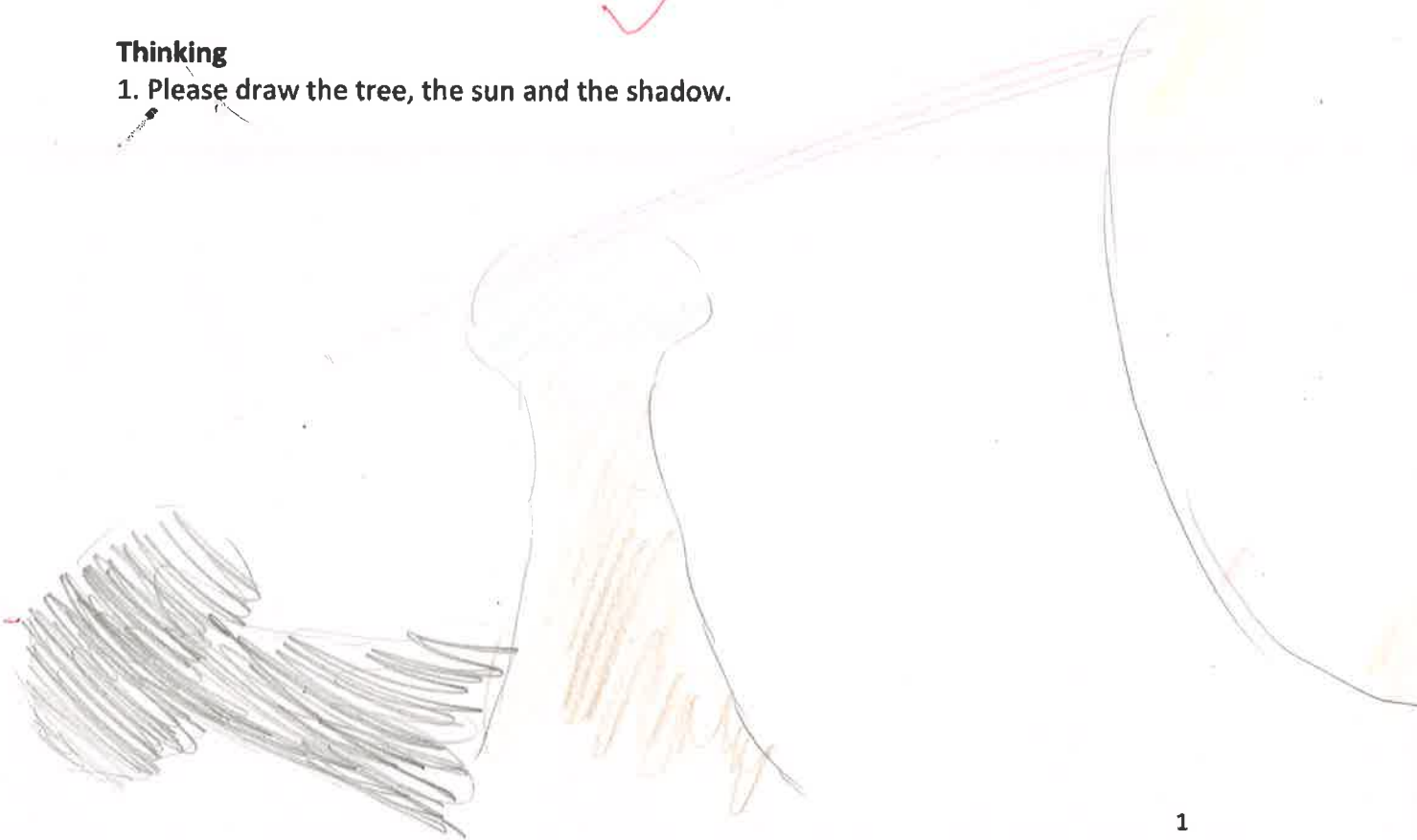
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Notes: ① 因為太陽離我們最近
② 4.5 億年
③ 1,300,000 顆地球

#### Thinking

1. Please draw the tree, the sun and the shadow.



1300000  
15000000

A++

5A Class 1 Number Name: Wei-wei

Observing the sun-A planet that glows and heats 康哲璋

Warmer

1. What do think of the sun? hot, light, big
2. What can you make by playing shadow games? Dog
3. The relationship between of sun position and shadow? when you want a shadow, you need light, and the sun give light, so the relationship is light. too

Language

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temperature	age	mass

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2. The temperature of the sun's surface is 5,500 degrees °C
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Because we are close to sun. (SUN IS A STAR)

Content

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1. Why we see the sun seems much bigger and brighter than any other star?
2. How long has it been shining in space?
3. How many planets the size of our earth can fit inside the sun?

Notes: ① Because we are close <sup>to</sup> the sun, and the sun is a star.
② Four and a half billion years in space
③ 1300000 顆 Earth

Thinking

1. Please draw the tree, the sun and the shadow.





Observing the sun-A planet that glows and heats

Warmer

關係

1. What do you think of the sun? star . hot . fire . light . big
2. What can you make by playing shadow games? Snail . bird . crab . spider . dog
3. The relationship between of sun position and shadow? 當太陽越來越高時, 影子會越來越短  
當太陽越來越低, 影子會越長

Language

Earth	distance 距離	surface 表面
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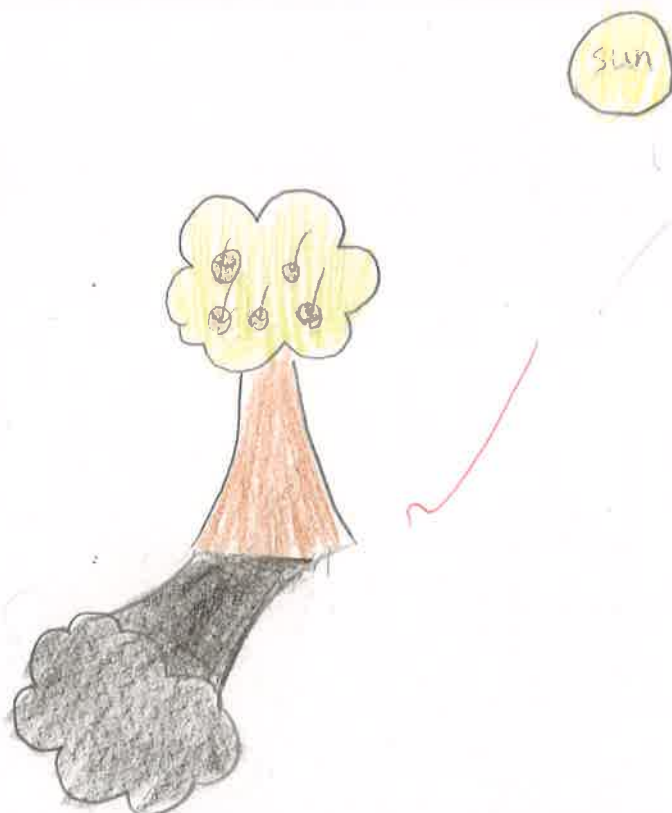
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2: 4.5 億年
3: 1300000 個地球

Thinking

1. Please draw the tree, the sun and the shadow.



**Observing the sun-A planet that glows and heats**

**Warmer**

1. What do think of the sun? *Have light. Very hot!*
2. What can you make by playing shadow games? *dog-bird*
3. The relationship between of sun position and shadow? *太陽越高, 影子越短, 太陽越低, 影子越長。*

*關係*

**Language**

Earth	distance <i>距離</i>	surface
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2. 4.5億年
3. 130,000顆地球

**Thinking**

1. Please draw the tree, the sun and the shadow.



### Observing the sun-A planet that glows and heats

**Warmer**

1. What do think of the sun? Very hot and <sup>have</sup> light ✓
2. What can you make by playing shadow games? I can make rabbit by playing ✓
3. The relationship between of sun position and shadow? shadow games. ✓  
Shadow is make of sun. Sun rise the thing and the thing  
have shadow. ✓

**Language**

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**Notes:**

- ① Because our planet is close to the sun.
- ② Four and a half billion years been shining in space.
- ③ Sun can put 130000 Earth in side.

**Thinking**

1. Please draw the tree, the sun and the shadow.

