



Subject: Grade 4 Natural Sciences

Topic: Our solar system

Total: 33 Marks

1. A: telescope

4 marks

Explanation:

A telescope is much stronger than a pair of binoculars.

2. Mercury | Venus

4 marks

Explanation:

Planets that are closer receive more energy from the Sun and will therefore be warmer. Venus is the hottest planet. This is because of its sulphuric acid/clouds and high level of carbon dioxide in its atmosphere that traps heat from the Sun.

3. orbit

3 marks

Explanation:

Each planet has its own orbit.

4. true

2 marks

Explanation:

The moonlight we see is actually sunlight that is reflected by the Moon.

5. gravity

3 marks

Explanation:

With no force of gravity the planets would just move further and further away from the Sun.

6. false

2 marks

Explanation:

One of Jupiter's moons, **Ganymede**, is the largest moon in the Solar System.

Ganymede has a diameter of 5 262 km. The diameter of the Earth's moon is 3 475 km.

7. A: 1969

4 marks

Explanation:

The first person to set foot on the Moon was an American astronaut by the name of Neil Armstrong.

8. A: the amount of sunlight it reflects changes

4 marks

Explanation:

Different amounts of sunlight fall on the Moon at different times.

9. earth | the earth

3 marks

Explanation:

The orbit is the path that the Moon takes while moving around the Earth.

10. atmosphere | fluctuates

4 marks

Explanation:

During the day, the heat of the Sun causes high temperatures while at night it is very cold.

Total: 33 Marks