



Subject: Grade 6 Natural Sciences

Topic: Telescopes

Total: 28 Marks

1. false 1 mark

Explanation:

The most famous space telescope is the Hubble Bubble telescope, which was sent into space in 1990.

2. lens | enlarged 4 marks

Explanation:

A telescope has two lenses, the objective lens and the eyepiece lens.

3. laser light | microwave emitter 4 marks

Explanation:

A laser light and microwave emitter are not found in a telescope.

4. D: All are an example of a body found in space 4 marks

Explanation:

Bodies in space are all the planets, stars, moons and other lumps of rock that are found in space.

5. A: An instrument that allows people to see distant objects in good detail. 4 marks

Explanation:

A telescope is an instrument that allows people to see distant objects in good detail.

6. A: Array 1 mark

Explanation:

In an array the telescopes are spread out so that each one collects slightly different information from the others. When all the information is put together it provides a large picture of information.

7. C: Illumination telescopes 4 marks

Explanation:

There is no such thing as an illumination telescope.

8. magnification

3 marks

Explanation:

A telescope makes a very small object look bigger so that we are able to observe and study it. This is known as **magnification**.

9. Sutherland

3 marks

Explanation:

Sutherland was chosen to be the location of SALT because of its dark and clear skies, as well as its good weather conditions. These make it easier to study the stars clearly and easily.

Total: 28 Marks