

Answer the following questions:

1. Figure 1 shows the Spitzer space telescope.

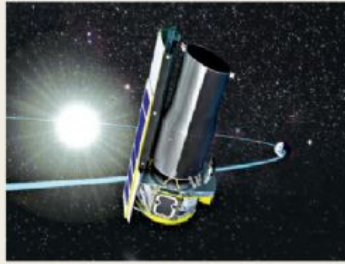


Figure 1

Mark '✓' for the correct statements and '✗' for the incorrect statements.

(a) The Spitzer space telescope is located on the surface of Earth.	
(b) The Spitzer space telescope 'observes' better than ordinary telescopes.	
(c) The Spitzer space telescope is used to take photographs of Earth's surface.	
(d) The Spitzer space telescope is used as a remote sensing equipment.	

2. Match the Solar System model to the astronomer who built it.

**Solar System model**

(a) Earth is at the centre of the Solar System and the Sun revolves around Earth in a circular orbit.

(b) The Sun is at the centre of the Solar System and Earth revolves around the Sun in an elliptical orbit.

**Astronomer**

Copernicus

Kepler

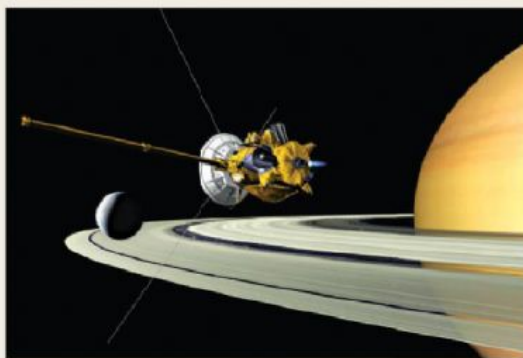
Ptolemy

3. How can knowledge about astronomy be acquired through scientific investigation?

4. Why are space probes not used to send astronauts into space? 🧠

 **LIVEWORKSHEETS**

5. Figure 2 shows a space probe sent to Saturn.



*Figure 2*

(a) What is the function of this space probe?

 **LIVEWORKSHEETS**

(b) State **one** example of a phenomenon that occurs on the surface of the Sun that might destroy the space probe. 🧠

(c) State the source of energy used by the space probe.