

- 1 Professor Upthrust the intrepid space traveller is writing home. Unfortunately he was not concentrating when he wrote his last postcard.

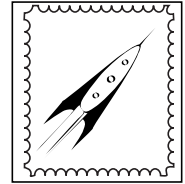
Can you help him by underlining the incorrect parts on his card?

Dear Mum,

Having a great time. This last trip has been my best yet. I have travelled past the 10 planets in our solar system, Mercury, Venus, Earth, Moon, Mars, Jupiter, Saturn, Uranus, Neptune and Pluto. The planets are all larger than the Sun. The Sun orbits around the planets. I have seen the Earth spinning on its axis as it orbits around the Moon, every 24 hours. It orbits so quickly we can only see one side of the Moon at any time. It is nearly night now as the Sun is moving behind the Moon - I will write again soon.

Wish you were here, your loving son

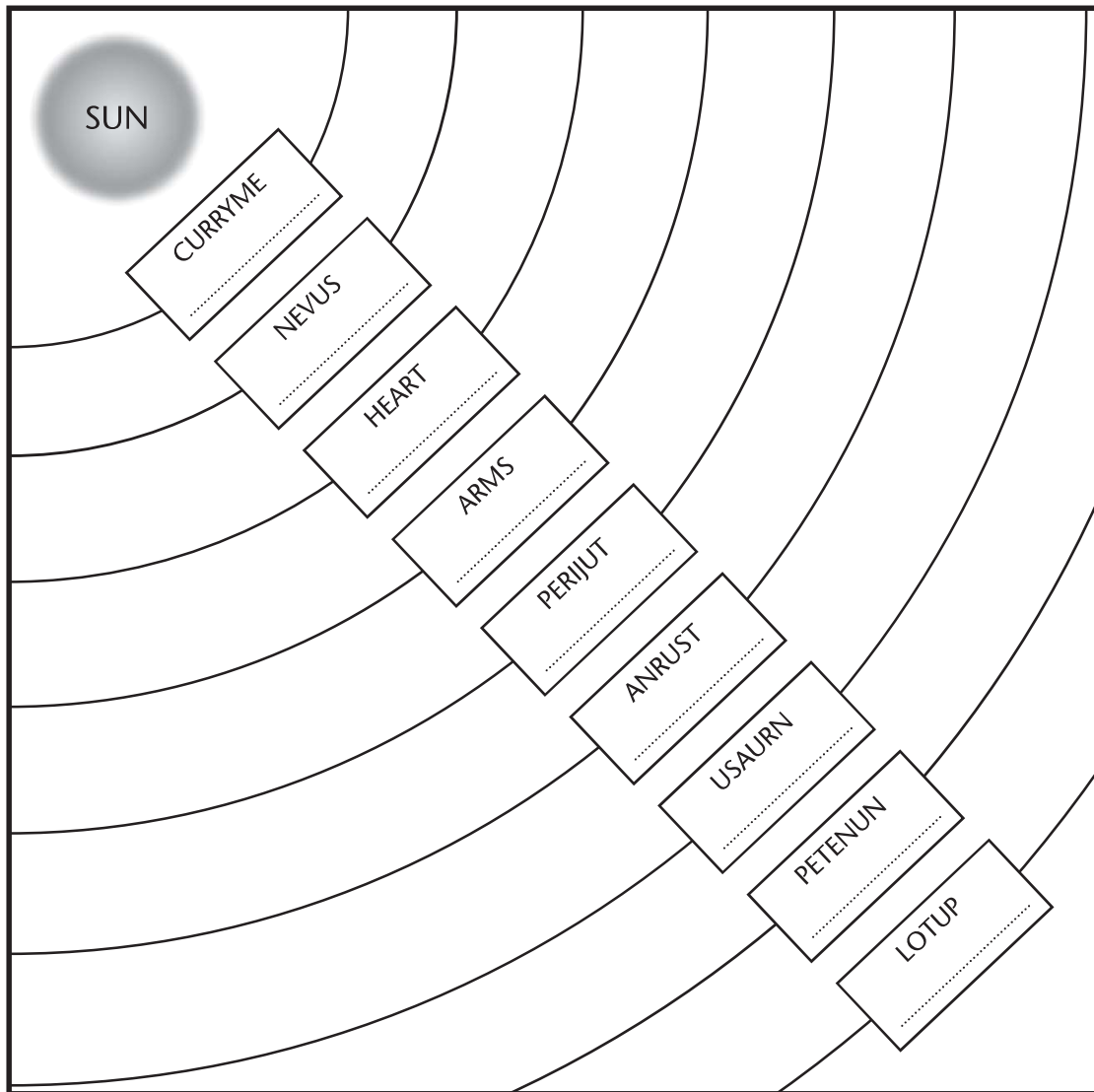
Ivan



Mrs Upthrust
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There are at least **seven** incorrect words or phrases. Can you find them all?

- 1 The picture shows our solar system. It is made up of planets orbiting the Sun.



- a The names of the planets have been mixed up. Rearrange the letters to correctly name each planet. Write the correct names on the diagram.

- b Which planet is closest to the Sun?

- c Which planet is furthest away from the Sun?

- d Which planet would you expect to be the warmest?

- e Which planet would you expect to be the coldest?

- 2 The Sun is massive compared to the planets. It holds the planets in their orbits due its gravitational pull on them.

Complete these sentences using the words below.

axis

gravity

face

orbits

orbits

The Earth the Sun. It is held in its orbit by the force of acting on it. As the Earth moves around the Sun it also spins on its The Moon the Earth. It also turns on an axis. We only see one of the Moon as it moves around the Earth.

- 3 Cross out the incorrect numbers/words.
- The Earth spins round once on its axis every **12/24/365** hours.
 - At the same time it orbits the **Sun/Moon/Universe**.
 - It takes the Earth **24/1/365** days to make one orbit around the Sun.
 - As the Earth spins we see the morning Sun rise in the **East/West/South**.
 - The Sun sets in the **West/East/South**.

- 4 Below is a picture of the Earth and the Sun (not to scale). Shade in night time on the diagram.

