

# Answers / Planet Pavilion

1. What shape is the Sun?

**Ball shaped.**

*All stars are ball shaped, they're not star shaped!*

2. What is going around the Sun?

**Planets.**

3. What is going around the Earth?

**The Moon.**

4. How many planets are there in the Solar System?

**8**

*Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune*

*The Sun and Moon (and Pluto, even though it's not on the Orrery!) are not planets.*

## Worksheet 2 / Planet Pavilion

The planets have all been jumbled up!

**Step 1:** Write the name of the planet next to its picture (look up at the Orrery for help!)

**Step 2:** Draw a line from the planet to its description

E A R T H

J U P I T E R

U R A N U S

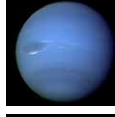
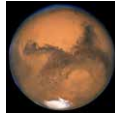
S A T U R N

M A R S

M E R C U R Y

N E P T U N E

V E N U S



"I am the largest planet in the Solar System."

"I have been tipped over onto my side!"

"I am the closest planet to the Sun."

"I have lots of humans living on me!"

"I am the hottest planet in the Solar System."

"I am sometimes called The Red Planet."

"I have rings made of chunks of rock and ice."

"I go around the Sun slowest."

# Answers / Space Pavilion

2. What colour on the screen is...

(a) Your face?

**White/yellow**

(b) Your clothes?

**Black/navy/purple/blue**

3. Which do you think is the hottest, your face or your clothes?

**Face**

*Temperature of skin is about 30°C.*

4. Why does the ball fall into the black hole?

**Gravity pulls it down**

5. This is a sound from space, but what do you think it sounds like?

**Answers may include: a rocket, thunder, etc.**

6. What happens when you touch the ball?

**The electricity goes into my finger**

*The electricity from the centre of the plasma ball jumps into your hand, travels through your arm, then down your leg into the floor! It's a very small amount of electricity, so it doesn't harm you and you don't even feel it!*

7. Which of these pictures can you see through the telescope?



**The third choice.**

*This is a picture of the whirlpool galaxy. A galaxy is like a big city of stars. Our own galaxy is called the Milky Way.*

# Answers / First Light

1. Find the snake head.

Snakes can see an invisible kind of light that our eyes can't.

Tick which of these animals the snake can see

**Deer**

**Rat**

2. Find the model of the rocket. Nearby there is a desk like the one the controller uses to move the real Lovell telescope.

Can you turn the handles to make the telescope point at a planet? What is its name?

**Venus**

Bonus question: What year was the Lovell telescope built?

**1957**

3. What is the science word for a shooting star?

**Meteor**

4. Stand under the lamp and you will hear the voice of the man who first came to do astronomy at Jodrell Bank. What is his name?

**Bernard Lovell**