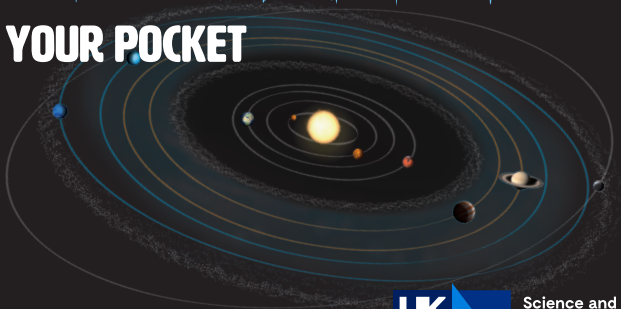


THE PLANETS

IN YOUR POCKET

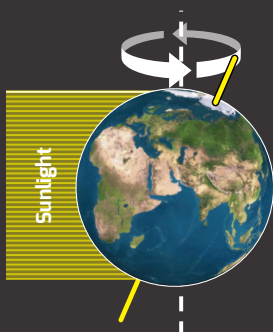


Science and
Technology
Facilities Council

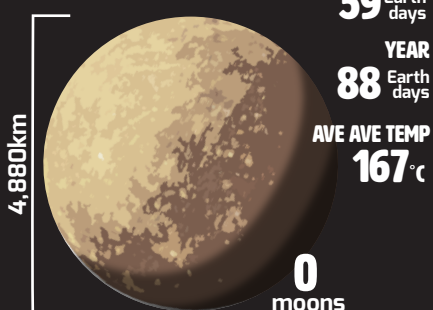
THE ROCKY PLANETS

- Mercury has the shortest year.
- Venus is the hottest planet.
- Earth is the only planet to support complex life.
- Mars is home to largest volcano in the Solar System.

Earth's axis is tilted by almost 23.5 degrees.



MERCURY



It is this wobble that gives us our seasons.



0°
Mercury

WOBBLY PLANETS



177°
Venus

VENUS

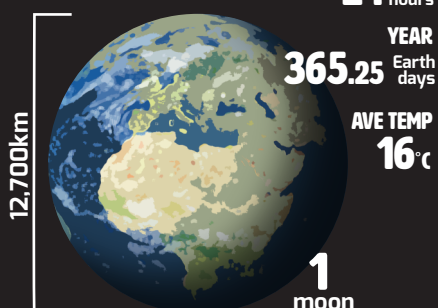


23°
Earth

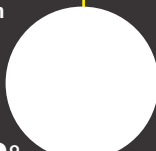


25°
Mars

EARTH

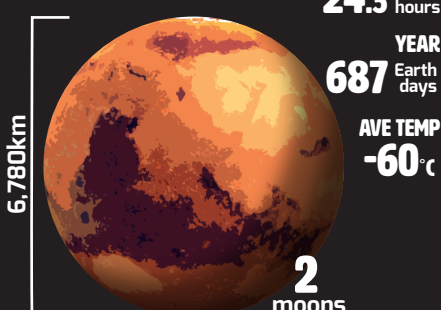


27°
Saturn



3°
Jupiter

MARS



98°
Uranus



28°
Neptune

HOW FAR APART ARE THEY?

1 billion km

2 billion km

3 billion km

4 billion km

5 billion km

6 billion km

- Mercury •
- Venus •
- Earth •
- Mars •

Asteroid belt

Jupiter •

Saturn •

Uranus •

▲
Sunlight
takes 2
hours to
reach here

▲
Sunlight
takes 3
hours to
reach here

▲
Sunlight
takes 4
hours to
reach here

Neptune •

▲
Kuiper
belt
begins

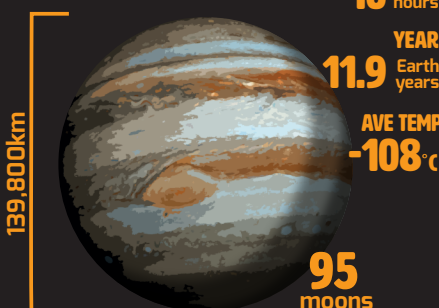
Pluto •

THE GAS GIANTS

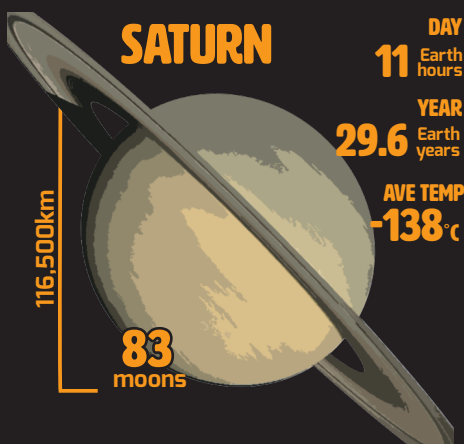
- Jupiter is the biggest planet in the Solar System. Its mass is 300 times that of Earth.

- Saturn's most famous feature is its rings, which are made up of ice and dust. Its rings measure 270,000 km in diameter.

JUPITER



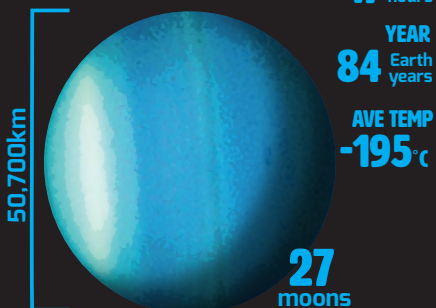
SATURN



THE ICE GIANTS

- Uranus and Neptune contain much more ice than the other gas giants, so they are now called 'ice giants'.
- Neptune was discovered in 1846 after mathematicians told astronomers where to look for it.

URANUS



NEPTUNE

