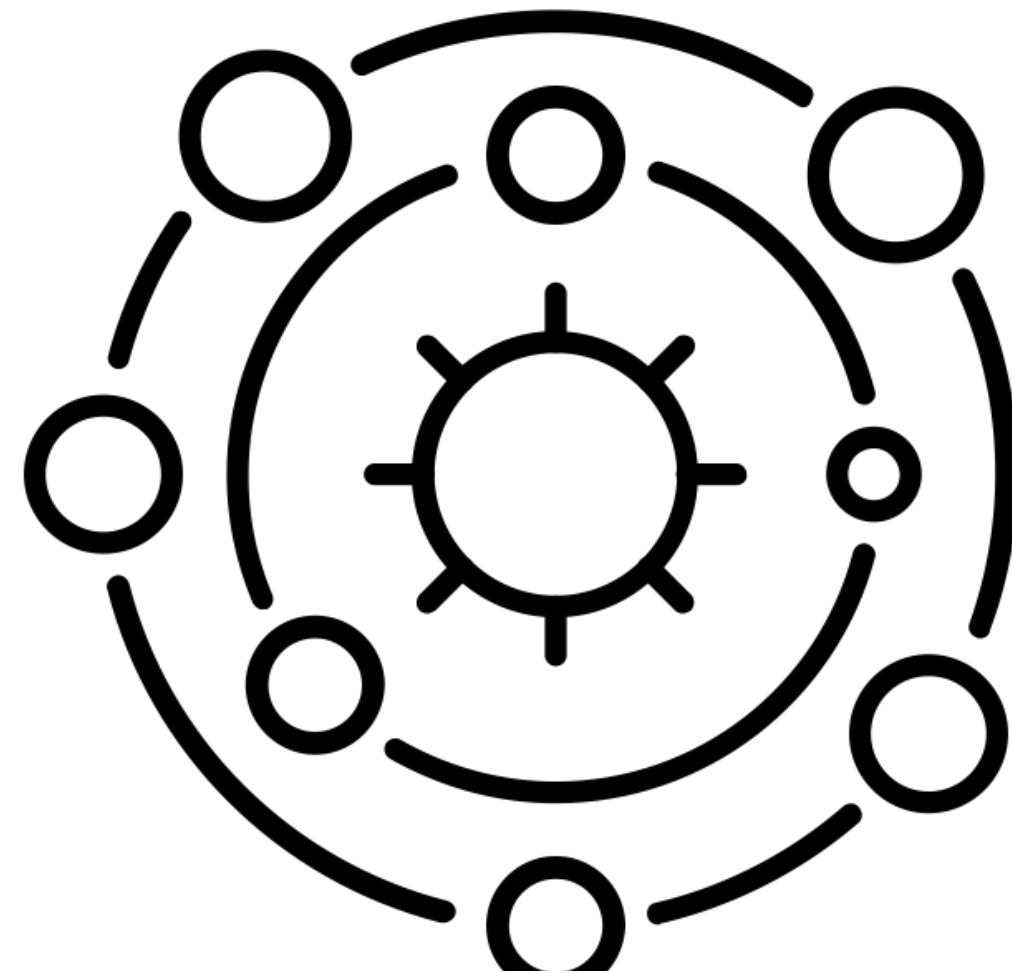


How do the planets in the solar system differ?

Science - Space



Miss Hummel

solar system by Andrei Yushchenko from the Noun Project



Preparation for the lesson:

Planet	Mnemonic	Picture	Size description	Temperature	Other description
M ercury					
V enus					
E arth					
M ars					
J upiter					
S aturn					
U ranus					
N eptune					



Complete this mnemonic

M ercury	M	
V enus	V	
E arth	E	
M ars	M	
J upiter	J	
S aturn	S	
U ranus	U	
N eptune	N	



Complete this mnemonic

M ercury	M	M y
V enus	V	V ery
E arth	E	E asy
M ars	M	M ethod
J upiter	J	J ust
S aturn	S	S ummed
U ranus	U	U p
N eptune	N	N ow



Thinking Task:

1. How long does it take Mercury to orbit the Sun?



Thinking Tasks

- 1.** Why does Mars's atmosphere trap a large amount of heat?
- 2.** Why is the surface of Mars red?



Write the names of the object from the solar system being described below:

1. - the largest object in the solar system that the solar system was named after
2. - large spheres of rock that orbit around the sun
3. - large balls of rock that orbit planets
4. - an example of another rocky object that can be found in the solar system
5. - leftover material from stars that have exploded in the past



Thinking Task:

1. What is the Big Red Spot?



Thinking Task:

1. What is Saturn famous for?



Question to answer:

1. Write down one difference between Uranus and Neptune.



Sort these descriptions into 'Inner rocky planets' or 'Outer gas giants':

- Closer to the Sun
- Further away from the Sun
- Mostly made from gas
- Mostly solid rock
- The colder planets
- The warmer planets
- Often have rings of dust and rock around them

Inner Rocky Planets	Outer Gas Planets



Read the clues and work out which planet is which below:

- 1) Which planet is the hottest planet? _____
- 2) Which is the largest planet? _____
- 3) Which planet spins on its side? _____
- 4) Which planet is the closest to the Sun? _____
- 5) Which planet is red due to iron minerals in its surface? _____
- 6) Which planet is the furthest away from the Sun? _____
- 7) Which planet is known for its 7 rings that are easy to see? _____



Thinking Task:

Why might it be difficult to study planets in detail?

