



Name: _____

- Do you have what it takes to find the range of words related to space, astronomy, our solar system and the wider universe?

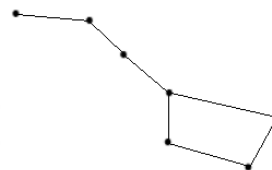
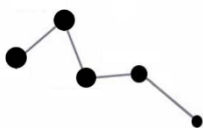
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 S A T U R N O S S K M U R I L G T A
 R O E T E M N U F A V U A N D S X C

ASTEROID
 COMET
 MARS
 MOON
 PLANET
 STAR
 UNIVERSE

ASTRONAUT
 GALAXY
 MERCURY
 NEPTUNE
 SATURN
 SUN
 VENUS

ASTRONOMY
 GRAVITY
 METEOR
 ORBIT
 SHUTTLE
 TELESCOPE

- Can you match the Star Constellations with their names, draw a line connecting the pictures and their names,



Cygnus
 (The Swan)

Orion
 (The Hunter)

Cassiopeia
 (The Queen)

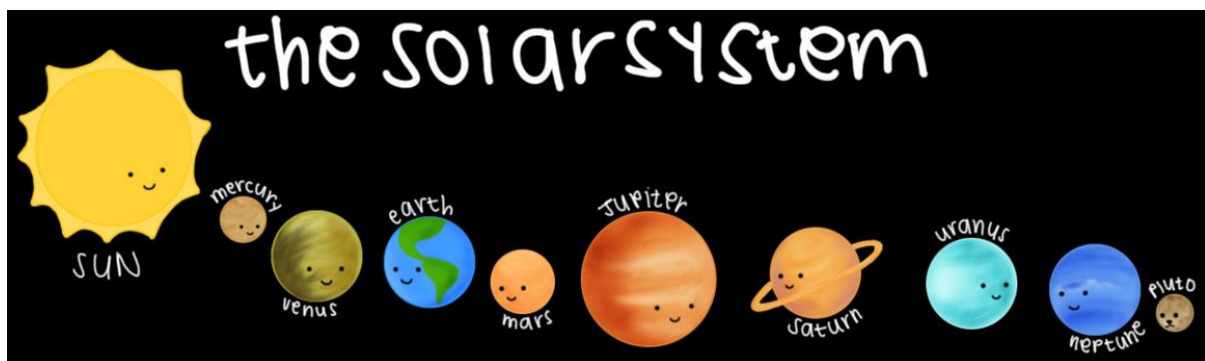
Plough
 (The Big Dipper)

3. Can you find the pole star. – circle the star (A or B) which you think is the pole star



DID YOU KNOW - The North Star has historically been used for navigation, both to find the direction of north and to determine latitude. It is approximately aligned with the Earth's axis of rotation so remains in a constant position in the night sky

4. Our Solar System – Can you name all the planets in our solar system, look at the picture below for a few minutes then turn over the page and see if you can remember them all.



5. What can you see about the planets, can you describe them, are big or small, hot or cold, solid or gassy

To gain this badge, Cub Scouts must complete the following:

1. Make a model or draw a simple diagram of the solar system.
2. Explain the difference between a planet and a star.
3. Identify three constellations.
4. Find out about and present some information on the two of the following: planets, comets, the northern lights, the sun, eclipses, meteorites, black holes, the moon, light years, space exploration or any other space-related subject.
5. Observe the moon, if possible using binoculars or a telescope. Describe some of its features.
6. Know how to locate and identify the pole star. Know how explorers used it to navigate and plot courses.