

CUBS ASTRONOMER BADGE

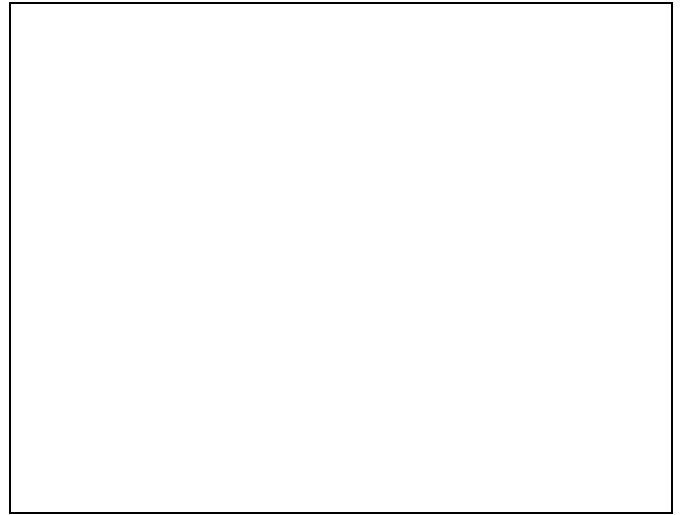
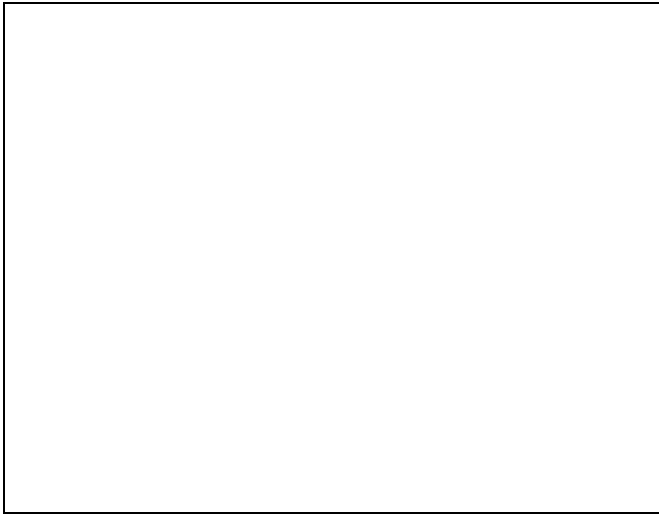


To achieve the **Astronomer Badge** you must complete all the sections below.

Your name _____

- 1) On a separate sheet of paper, draw a diagram of the solar system. This should show the order of the planets from the sun and the planets should also be drawn to scale (in other words, your picture should show how the planets are different in size to each other).
- 2) Explain below the difference between a planet and a star.

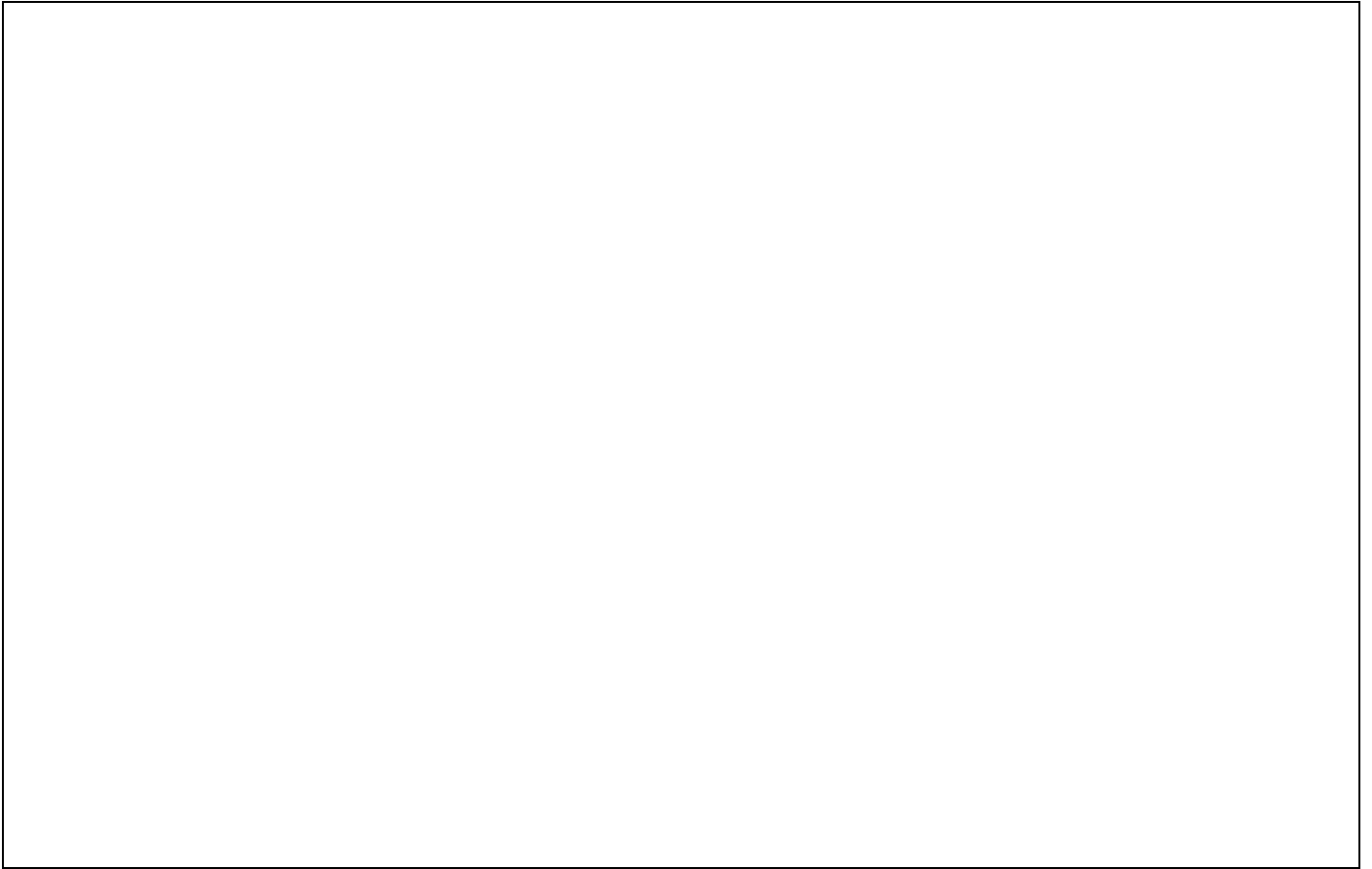
- 3) Draw in the boxes below four constellations.



- 4) Find out and write below some information on any **FOUR** of the following: Comets, The Northern Lights, Sun, Eclipses, Meteorites, Black Holes, Moon, Light Years, Space Exploration

A large empty rectangular box with a thin black border, intended for writing the information requested in the question above.

- 5) Observe the moon – using binoculars or a telescope if possible. Describe some of the moon’s features and draw a picture below of the different cycles / ways in which the moon can appear.



- 6) Find out and write below some information about the Pole Star. How have explorers used the Pole Star to navigate and plot courses?

