Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Astronomy Packet 5

1) The major feature between the orbits Mars and Jupiter is the\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which contains several\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ ranging in size from a pebble to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, there are at least\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that are 1 km in size. There are \_\_\_\_ types of asteroids. Type-\_\_\_\_\_ makeup 75% of the asteroids and are made up of mostly\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_ and are \_\_\_\_\_\_\_\_ in color. Type \_\_\_ makeup 17% of the asteroids and are made up of\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_ and are relatively\_\_\_\_\_\_\_. Type \_\_\_\_ makeup 7 % of the asteroids and are composed of \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_ they are incredibly\_\_\_\_\_\_\_\_\_\_. The largest object in this region is \_\_\_\_\_\_\_\_ which is now classified as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The recent mission to this region of the solar system was\_\_\_\_\_\_\_\_\_\_\_\_\_ and it visited \_\_\_\_\_\_\_\_\_\_\_\_

2) The largest planet in the solar system is\_\_\_\_\_\_\_\_\_\_\_. It lays \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ away from the Sun, and takes \_\_\_\_\_\_\_\_\_\_\_ to orbit the Sun while it takes\_\_\_\_\_\_\_\_\_\_\_ to rotate on its axis. It has an average temperature of \_\_\_\_\_\_\_\_\_\_\_\_\_ and approximately\_\_\_\_\_\_\_\_ moons. This planet is classified as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ due to its thick \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which consist of a mixture of\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with minor amounts of \_\_\_\_\_\_\_\_and \_\_\_\_\_\_. The clouds become thicker until you reach a layer of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which generates this planets huge\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which stretches out to \_\_\_\_\_\_\_\_\_\_\_. Its \_\_\_\_\_\_\_\_ consists of rock and some iron. The atmosphere is separated into various\_\_\_\_\_\_\_\_ and covered in violent \_\_\_\_\_\_\_\_. The most famous being the\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which has ranged for at least\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. 4 of these planets moons are known as the\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ after their discoverer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. They are \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_ and \_\_\_\_. The closest is \_\_\_\_ which is also the most\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ object in the solar system. Its surface is covered in \_\_\_\_\_\_\_\_\_\_\_ which were 1st discovered by the satellite \_\_\_\_\_\_\_\_\_\_\_\_\_. This is actually caused by\_\_\_\_\_\_\_\_\_\_ forces as\_\_\_\_\_\_\_\_ stretches and pulls on the moon. The next moon is \_\_\_\_\_\_\_\_\_\_ which appears to be covered in \_\_\_\_\_\_\_ under which might exist a huge \_\_\_\_\_\_\_\_\_\_ which might be capable of supporting\_\_\_\_\_\_. This once again is possible due to the \_\_\_\_\_\_\_\_\_\_\_\_ forces caused by the planet. The outer 2 moons are\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ whose surfaces are covered with showing large amounts of \_\_\_\_\_ which might point toward subsurface\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as well

3) The next planet is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which is known for its beautiful\_\_\_\_\_\_\_\_\_\_\_\_ this planet is located \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_away from the Sun and takes \_\_\_\_\_\_\_\_ to complete on revolution while it takes \_\_\_\_\_\_\_\_\_\_ to complete on rotation on its axis. The Average temperature is \_\_\_\_\_\_\_\_\_ and \_\_\_\_ moon surround this planet. The winds on this planet blow at approximately\_\_\_\_\_\_\_\_\_\_\_\_ making them the\_\_\_\_ highest in the solar System. The atmosphere hides massive\_\_\_\_\_\_\_\_\_\_\_\_\_ especially at the \_\_\_\_\_\_\_\_\_\_ where we have seen strange\_\_\_\_\_\_\_\_ shaped storm which are bigger than the \_\_\_\_\_\_. The magnetic Field of this planet also generates\_\_\_\_\_\_\_\_\_ similar to those seen on Earth at the poles. The interior of this planet is similar to Jupiter’s but it has a much larger \_\_\_\_\_ and smaller \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ layer. The rings of this planet are made up \_\_\_\_\_\_\_\_and \_\_\_\_ which were mostly likely formed when a \_\_\_\_\_\_\_ struck a moon and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into the planet where it was destroyed by the planets\_\_\_\_\_\_\_\_\_\_\_\_\_ .Two of Saturn’s moon are of great interest \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The small icy moon\_\_\_\_\_\_\_\_\_\_\_\_\_ is interesting because it is covered in a thick layer of and contains \_\_\_\_\_\_\_\_\_\_\_\_\_ at its south pole in the region called the “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_” as discovered by the orbiter\_\_\_\_\_\_\_\_\_\_\_\_\_. The other moon is the massive\_\_\_\_\_\_\_\_\_\_\_\_ which is the only moon covered by a thick\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ was first pierced by the lander \_\_\_\_\_\_\_\_\_\_\_\_\_\_ which discovered that the moon has lakes of\_\_\_\_\_\_\_\_\_\_\_\_\_ and rain as well.

4) The 7th planet in the solar system is\_\_\_\_\_\_\_\_, it also the \_\_\_\_\_\_\_\_\_\_\_\_\_. Its period of rotation is\_\_\_\_\_\_\_\_\_\_ and its period of Revolution is\_\_\_\_\_\_\_\_\_\_\_\_. It is located \_\_\_\_\_\_\_\_ away from the sun. The surface temperature is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This planet differs from most planets in that it rotates on its\_\_\_\_\_\_\_\_\_\_\_\_. It has \_\_\_\_ natural satellites. It is classified as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The atmosphere consist mostly of \_\_\_\_\_\_\_\_\_\_\_ and\_\_\_\_\_\_\_\_\_\_\_\_, the interior consist of a mixture of\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This planet also has a well developed \_\_\_\_\_\_\_\_\_\_\_\_\_\_ system consisting of \_\_\_\_\_\_\_\_\_\_\_\_ and\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Most of the moons are named after \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ characters for example: \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

5) The 8th and final Major planet in the solar system is \_\_\_\_\_\_\_\_\_\_\_. It is located \_\_\_\_\_\_\_\_\_\_\_ away from the Sun and takes\_\_\_\_\_\_\_\_\_\_\_\_ to complete 1 revolution around the Sun and takes\_\_\_\_\_\_\_\_\_\_\_\_ to rotate around its axis. This planet was the first planet discovered on \_\_\_\_\_\_\_\_\_\_\_\_ before it was visually observed in \_\_\_\_\_\_\_\_ by\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This planet is categorized as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ just like \_\_\_\_\_\_\_\_\_\_\_\_. It atmosphere consists of mostly \_\_\_\_\_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_giving it its \_\_\_\_\_\_\_\_\_\_\_\_\_\_ color. The atmosphere has winds which blow at \_\_\_\_\_\_\_\_\_\_\_\_ making them the \_\_\_\_\_\_\_\_\_\_\_\_\_ in the Solar System. These winds result in violent storms such as the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which resembles Jupiter’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Below the atmosphere the mantle consists of a mixture of\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_. Until we reach a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ core. Of the \_\_\_\_\_ moons the most interesting is \_\_\_\_\_\_\_\_\_\_\_\_ which is the only natural satellite which revolves in a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ manner. It is likes that this moon is a captured \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ object.

6) The former ninth planet of the Solar System is \_\_\_\_\_\_\_\_\_\_ which is located\_\_\_\_\_\_\_\_\_\_\_ away from the Sun. It takes \_\_\_\_\_\_\_\_\_ to rotate on its axis and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to revolve around the Sun. It was discovered in \_\_\_\_\_\_ by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ is now classified as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. It has \_\_\_\_ officially recognized satellites. The largest is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with \_\_\_\_ and \_\_\_\_\_\_\_\_\_ the named ones as well as \_\_\_ the newest one. \_\_\_\_\_\_\_\_\_ And \_\_\_\_\_\_\_\_\_\_\_\_ are considered by some scientist as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ due to the location of the \_\_\_\_\_\_\_\_\_\_ of gravity. In the rocks on its surface. \_\_\_\_\_\_\_\_\_\_ appears to be changing in color and has become\_\_\_\_\_\_\_\_ in the last few \_\_\_\_\_\_\_\_\_\_\_ as it moves\_\_\_\_\_\_\_\_\_\_ to the \_\_\_\_ and its surface\_\_\_\_\_\_\_\_ and thickens its\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Currently the mission\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is on its way to this object, and will arrive in \_\_\_\_\_\_ of \_\_\_\_\_\_\_

7) Beyond the orbit of \_\_\_\_\_\_\_\_\_\_\_ we find the region known as the\_\_\_\_\_\_\_\_\_\_\_\_ Belt. Which is full of \_\_\_\_\_\_\_\_\_\_\_\_ planets and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or KBO for short? Some of these objects include: \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.These objects may represent simple \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ leftover from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Beyond this area is the vast \_\_\_\_\_\_\_\_\_\_\_\_\_\_ which contains \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which can become\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when this region is disturbed by a passing\_\_\_\_\_\_\_\_\_\_\_\_\_\_. When disturbed these \_\_\_\_\_\_\_\_\_\_ head towards the sun and eventual begin to\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ forming two \_\_\_\_\_\_\_\_\_\_ one of\_\_\_\_\_\_\_\_\_\_ and one of \_\_\_\_\_\_\_\_\_\_\_\_ as well as the \_\_\_\_\_\_\_\_\_\_\_\_. The\_\_\_\_\_\_\_\_\_\_\_ always point\_\_\_\_\_\_\_ the sun due to the \_\_\_\_\_\_\_\_\_\_\_\_\_. Usually these objects burn up and break up in the atmosphere but occasionally they cause a\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which can cause global \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.