Activity 20: The Planets Word Search

1 Find and mark on the above WORD SEARCH the following words.

1  SOLAR SYSTEM  2  GRAVITY  3  ASTRONAUT  4  STARS
5  ROCKET  6  SATURN  7  SPACE SHUTTLE  8  ASTEROIDS
9  NASA  10  LIGHT YEAR  11  MOONS  12  VOLCANO
13  MARS  14  GALAXY  15  SUN  16  MERCURY

2 The answer to each of the following questions is one of the words in the above word search

A  The HOTTEST Planet.
B  SPACE AGENCY.
C  The Planet with many RINGS.
D  Small Planets which ORBIT larger Planets.
E  A large number of STARS.
F  The Earth ORBITS this Star.
G  A RE-USABLE space vehicle.
H  A person who goes into space.
I  Small pieces of ROCK in space.
J  A huge DISTANCE in space.

Complete the following list of planets in order of INCREASING distance from the Sun.

MERCURY ___________ EARTH ___________ ___________ SATURN ___________ ___________ PLUTO
3 Name the planet which
   a Has the longest year (i.e. takes the longest time to orbit the Sun)
   b Is the smallest.
   c Has the most moons.
4 What are the COOL areas on the Sun called?
5 What 4 letters are used to name the organisation which is responsible for space exploration?
6 Name any TWO of the four “Gas” planets.
7 What is the largest object in the Solar System?
8 What source of energy did the Pioneer and Voyager space probes use in order to explore the outer regions of the Solar System?
9 The force of gravity on the Earth is 10 N/kg, on Venus is 9 N/kg, on Mars is 4 N/kg and on Jupiter is 26 N/kg.
   On which of these four planets would you:-
   a Have greatest difficulty in running?
   b Be able to jump the highest?
   c Weigh over twice what you do on the Earth?
   Include reasons in your answer.
10 Which gas does the Sun mainly contain?
11 Some space probes have solar panels on the outside of their bodies. What are these panels for?