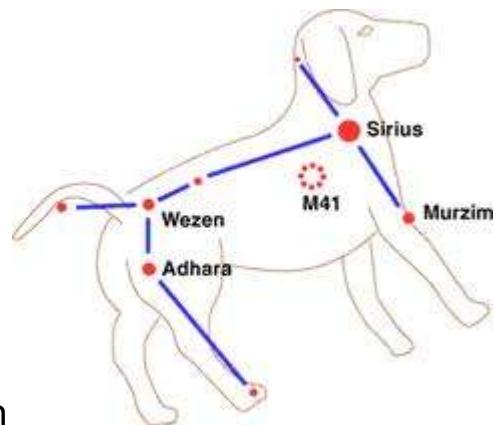
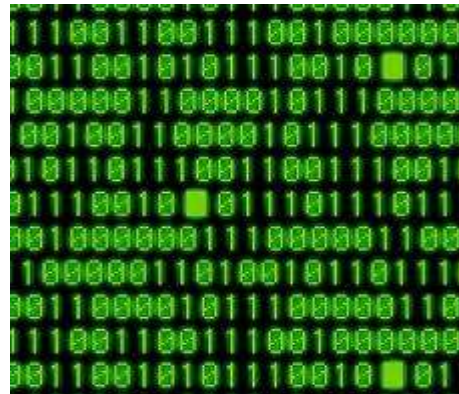


Celestial Inquisition



A is

(p1) in a



system. It is located in the constellation

It is one of the first of its kind to be discovered. It is situated at a distance of 1000 – 1001 light from the solar system.

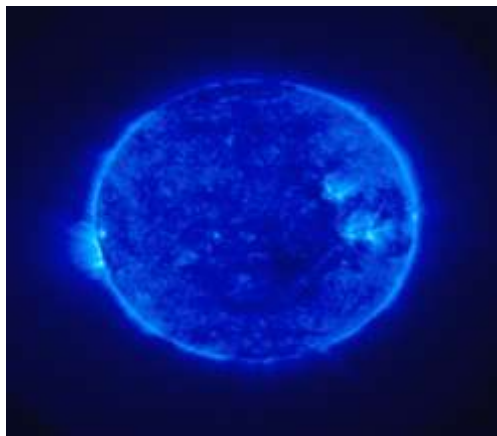


It is situated in the galaxy B.B is

(p2)

type of galaxy and is one of the biggest members of the group of galaxies called the local group

A is one of the most massive of its kind known with a mass nearly



equal to the

(p3)

.Yet that mass is packed into a volume, nearly equal to that of earth. When it was in the main sequence it is estimated to have had a mass of nearly 5 times that it has now. The outer atmosphere is made mostly of the element which accounts for the greater part of mass of the visible universe.

Hint: a 'distance' value mentioned in the above description may have something in common with one of the pictures shown above

Now answer the following questions:

- 1) What kind of a phase is A in its evolution? – 3 pts
- 2) How much time will it take for light from the sun to reach A

3pts

3) Names of A and B - 4pts

4) If the gas from the atmosphere of A was burned in oxygen what is the major compound it will produce – 2pts

5) Which body exerts the foremost and major gravitational influence on A

-1pts

6) What do p1,p2 and p3 illustrate – 2pts

Send your answers to:

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