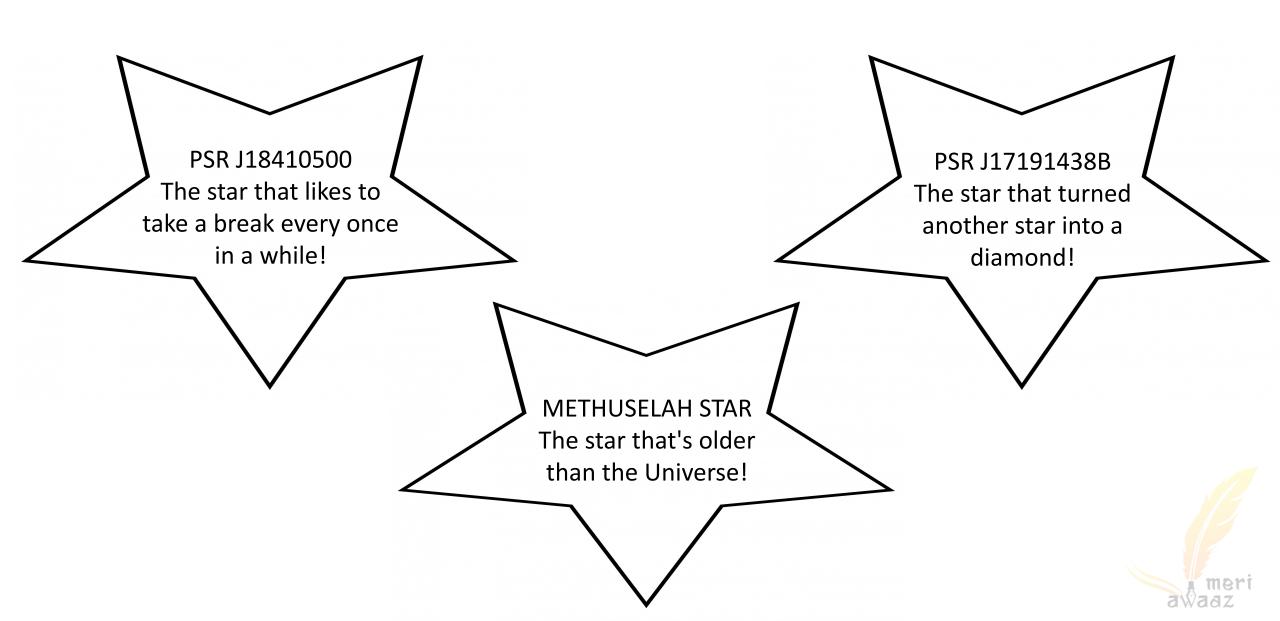
STARS AND CONSTELLATIONS

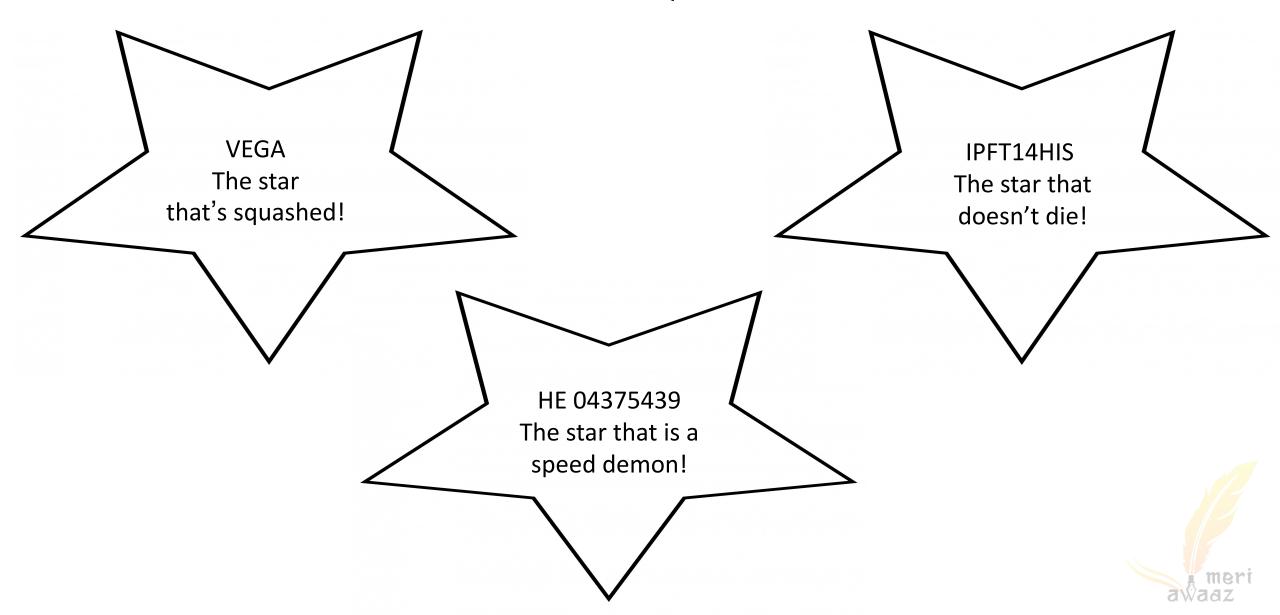
WHAT IS A STAR?

- A star is any object that is sufficiently massive and can ignite the fusion of elements in its core due to the gravitational pressures inside the object itself.
- All stars begin from clouds of cold molecular hydrogen that gravitationally collapse. As they cloud collapses, it fragments into many pieces that will go on to form individual stars.
- Depending on the temperature of the stars, the color of the stars can range from red to white to blue. Stars with surface temperatures less than 3,500 Kelvin are red, stars with surface temperatures around 6,000 Kelvin are white and stars with surface temperatures above 12,000 Kelvin are blue.

SOME UNIQUE STARS



SOME UNIQUE STARS



ALL ABOUT CONSTELLATIONS

- A constellation is an area on the celestial sphere in which a group of visible stars forms a perceived outline that typically represents an animal, mythological person, mythological creature or inanimate object.
- Constellations allowed the early people to organize the night sky into recognizable forms. This helped them to measure time, predict the farming seasons, conduct the religious studies of the celestial heavens etc.
- In the sky, the stars of constellations can appear near each other, but they usually lie far away from one another.
- Since each star has its own independent motion, all constellations will change slowly over time because familiar outlines will become quite unrecognizable.
- Not all constellations are visible from any one point on the Earth as the visibility depends on the seasons as well as the hemispheres. For example: In the northern hemisphere, Leo is a spring constellation, Orion is a winter constellation and Pegasus is an autumn constellation.

SOME FAMOUS CONSTELLATIONS



SOME FAMOUS CONSTELLATIONS

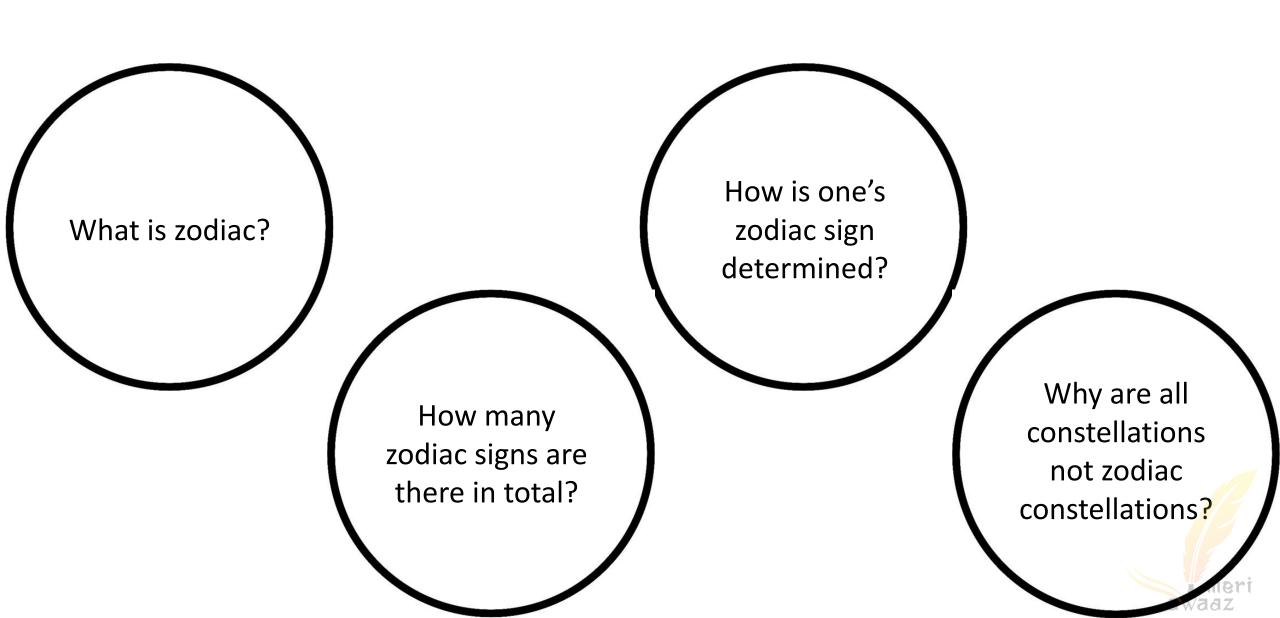








CONSTELLATIONS AND ZODIACS



ASSIGNMENT

- Choose from the following topics:
 - What is your zodiac sign? Does your personality match your zodiac personality?
 - If you discovered a star, what would you name it and why?
- Submit the assignment by Monday evening.

