

assignment : optics NAME _____

1) start *sky google and type pillars of creation or eagle nebula.*

Click on the red dot “ eagle nebula”. it. The nebula is an _____ cluster of stars.
You see the nebula like it was _____ years ago. The photo was taken in 1995 by _____ telescope
and it is one of its most famous one. It made the opening of what movie ? (with Judy Foster) _____.
Write down its location. RA = _____ and DEC = _____. In the nebula, new stars called
_____ are forming. The nebula is found in the constellation of: _____.

Now make sure the box “ backyard astronomy / constellation boundaries” is checked. Zoom out. What
is the zodiac constellation located just below the constellation mentioned above ?

2) go to <http://www.aaa.org/home>

click on the sky of the month. (October ?). scroll down to see the sky and click on the sky.

Write down the time _____ PM and the date _____ / CLICK TO ZOOM twice.

Can you see any planet ? Moon ?

The constellations are in blue and the stars in yellow. Look in the center of the disk. List the zodiac
constellations from east to west :

Draw the constellations (respecting the relative positions) of:

Ursa minor, Cepheus, Cassiopeia, Ursa major.

3) goto: <http://zoo1.galaxyzoo.org/Tutorial.aspx>

TAKE THE TUTORIAL. FOLLOW THE STEPS. READ all the steps. Does not take that long.

Understand if the arms go clockwise that means the galaxy spins counter clockwise !!!

Then take the test. You need at least a score 9/15 to get full credit. For proof copy and paste your result
on a paper. You need to register first. If you pass you can help classifying galaxies during your spare
time.