

Common Assessment-Midterm Study Guide

Directions: Please answer the following questions in COMPLETE sentences on a SEPARATE sheet of paper.

- 1) What is a lunar eclipses? What do we see from Earth during a lunar eclipse? Draw the positions of the moon, sun and Earth during a lunar eclipse?
- 2) What is a solar eclipses? What do we see from Earth during a solar eclipse? Draw the positions of the moon, sun and Earth during a solar eclipse?
- 3) Why does the Earth experience different seasons?
- 4) Does the entire Earth experience the same season at the same time? Explain.
- 5) Draw Earth's placement around the Sun during EACH season.
- 6) Does Earth's distance from the sun impact the seasons? Explain.
- 7) What is gravity?
- 8) What two factors influence gravity?
- 9) What happens when you increase one of the factors? Explain it as an IF...THEN statement.
- 10) How does the ball on the string represent the movement of objects in space? Make sure to describe each object and what it represents in space.
- 11) Does mass or speed have a greater impact on kinetic energy? Justify your claim using examples and citing quantitative data.
- 12) Explain force and net force using examples.
- 13) What factors contribute to an impact force of an object? (hint: review your crater lab results from Unit 1)
- 14) What is a crest of a wave?
- 15) What is a trough of a wave?
- 16) What is a wavelength?
- 17) What is an amplitude?
- 18) Identify the parts of a wavelength.