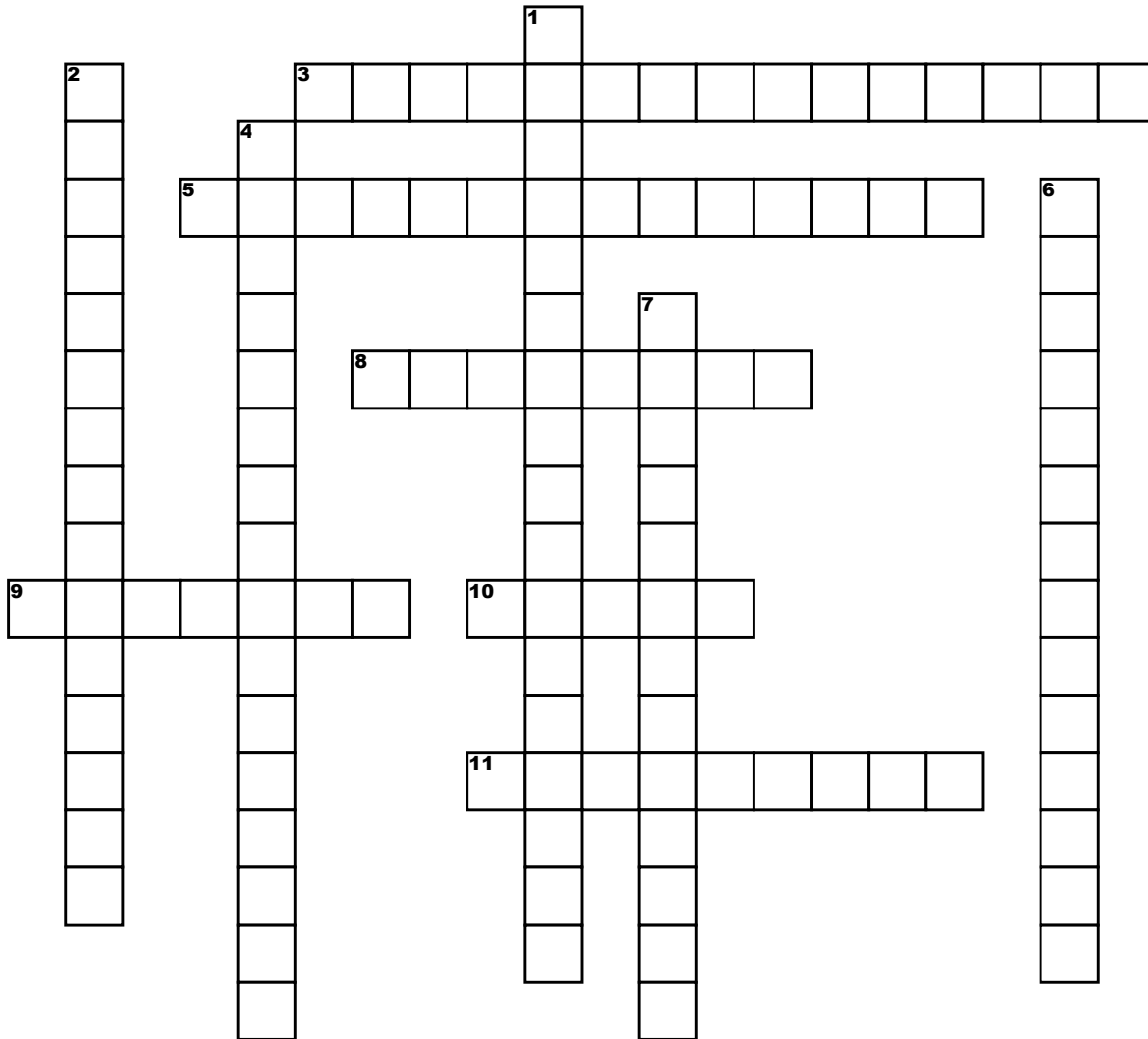


Name: _____

Date: _____

Topic 4 VOCAB



Across

3. The varying portion of the lighted part of the moon, Venus or mercury visible from earth.

5. The deflection of all moving particles of matter at the Earth's surface to the right in the Northern hemisphere and to the left in the Southern Hemisphere, providing evidence of earth's rotation.

8. One of the 24 west to east 15-degree wide longitude bands that keeps the same standard time as the central meridian of the zone.

9. The complete or partial blocking of light passing from one celestial body to another when one celestial body moves into the shadow of another celestial body.

10. The cyclic rise and fall of ocean water on earth caused by the gravitational pull of the moon and to a lesser degree the sun.

11. Time based on the rotation of earth as reflected in motions of the sun.

Down

1. The modern concept of celestial objects and their motions, in which a rotating Earth and other planets revolve around the sun.

2. An early concept of celestial objects and their motions in which all celestial objects revolve around the earth, which was stationary and was the center of the universe.

4. A freely swinging pendulum whose path appear to change in a predictable way, thus providing evidence of earth's rotation.

6. An imaginary line through earth from the north to the south geographic poles, around which earth rotates.

7. A group of stars that form a pattern and are used to help people locate celestial objects.