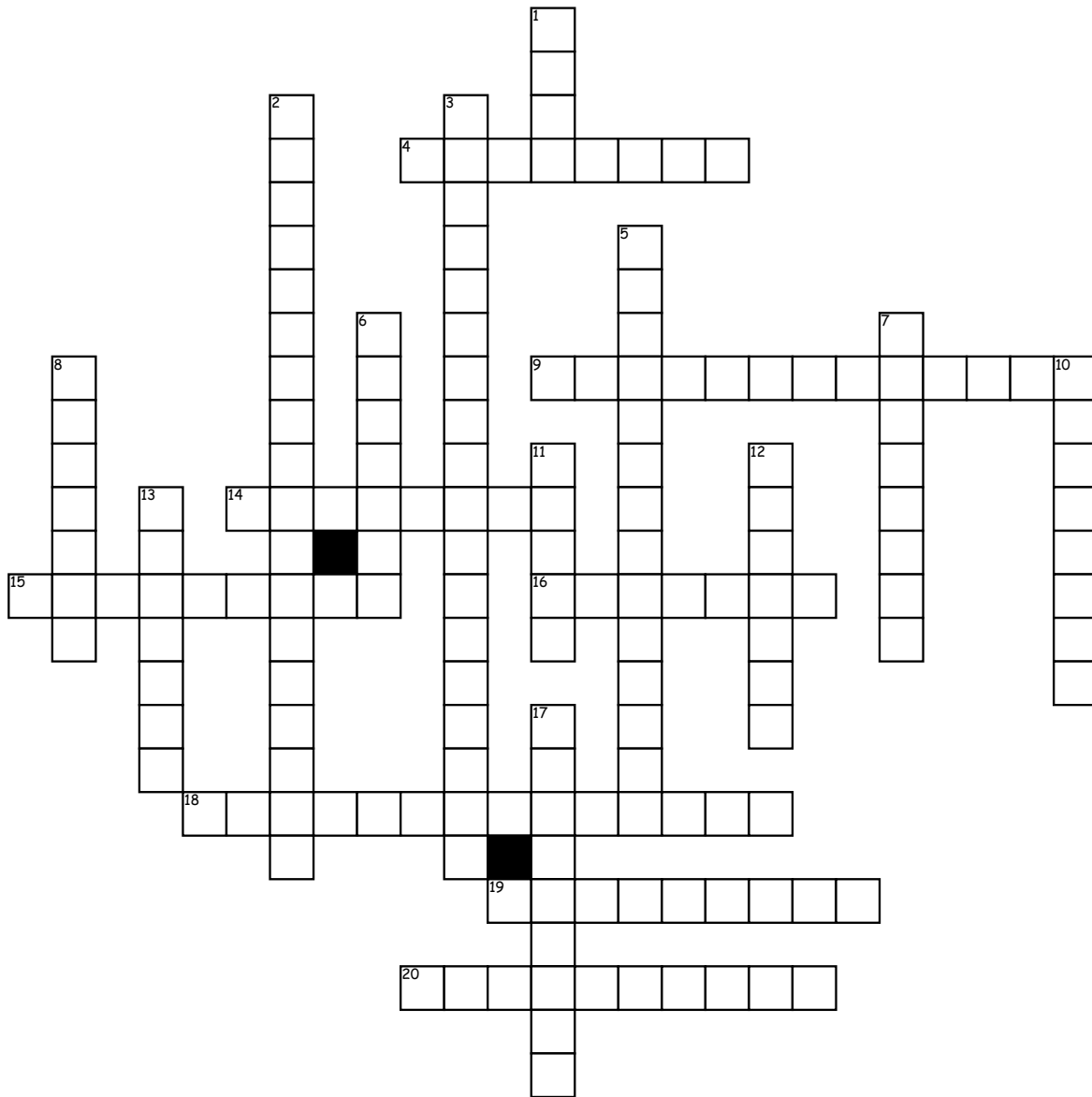


Name: _____

Motions Of The Earth



Across

4. a point in Earth's orbit where a hemisphere is tilted toward (summer) or away (winter) from the Sun as far as possible

9. starting point for all time zones, centered in Greenwich, England.

14. an extra day added every four years

15. Time as calculated by the Sun's location in the sky.

16. the tendency of an object to resist a change in motion

18. the rotation of the planet Earth around its own axis

19. time based on the rotation of Earth as reflected in motions of the sun

20. it takes 365 days for earth to make one of these

Down

1. an imaginary line about which a body rotates

2. the half of Earth that is north of the equator

3. the half sphere of Earth which is south of the equator

5. The influence of Earth's rotation on objects that move over Earth

6. a regular oval shape

7. one time zone is a 15 degree wide longitude band that maintains the same time. There are 24 separate time zones.

8. an imaginary line drawn around the earth equally distant from both poles, dividing the earth into northern and southern hemispheres and constituting the parallel of latitude 0°

10. A tide with the least difference between low and high tides. moon in quarter position

11. the curved path of a celestial object or spacecraft around a star, planet, or moon

12. the time or date at which the sun crosses the celestial equator, when day and night are of equal length

13. the attractive force between objects

17. the study of moon, stars, and other objects in space