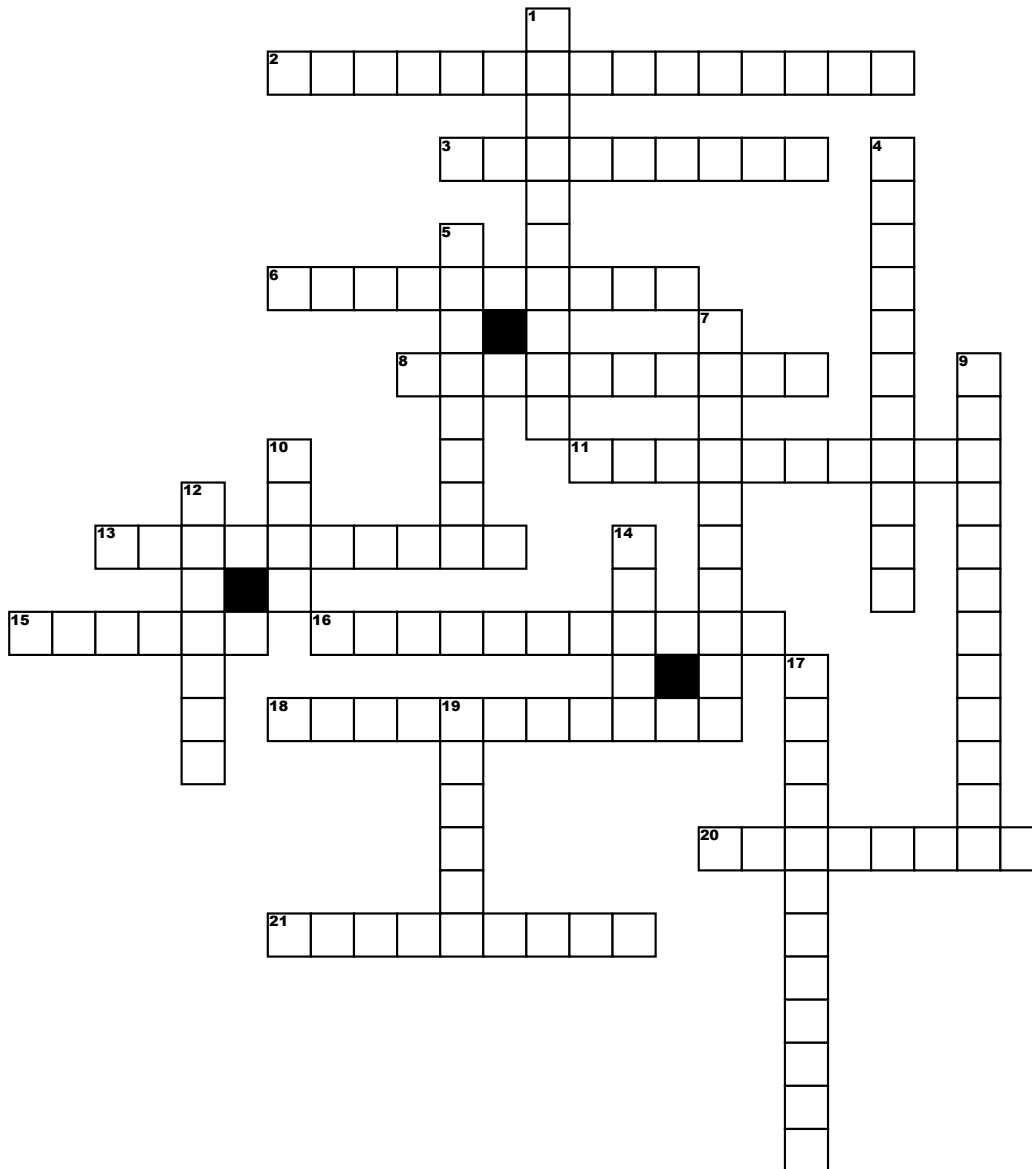


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# ATMOSPHERE



## Across

2. Solar energy reaches the earth as electromagnetic radiation.

3. Radiation is the transfer of energy across and in the atmosphere.

6. Convection is the transfer of heat by air currents.

8. The lower thermosphere is called ionosphere.

11. The atmosphere is divided into four layers.

13. The process in which gases trap heat near the Earth is known as the greenhouse effect.

15. The atmosphere insulates Earth's surface.

16. Ozone in the stratosphere absorbs the sun's ultraviolet energy and warms the air.

18. The troposphere extends to about 18KM above the Earth's surface.

20. Nitrogen, oxygen, carbon dioxide and other gases are all parts of the atmosphere.

21. Gases can be added to and removed from the atmosphere in ways other than through living organisms.

## Down

1. The flow of heat from a warmer object to a colder object when the objects are placed in direct physical contact is called conduction.

4. Atmospheric dust is mainly soil.

5. The liquid droplets found in atmospheric dust are called aerosols.

7. The layer above the stratosphere is the mesosphere.

9. The atmospheric layer farthest from the Earth's surface is the thermosphere.

10. Electrically charged atoms are called ions.

12. Methane and argon are two types of gases that help make up the Earth's surface.

14. Ozone is a molecule made up of three oxygen atoms.

17. Above the troposphere is the ?

19. The second most abundant gas in the Earth's atmosphere is oxygen.