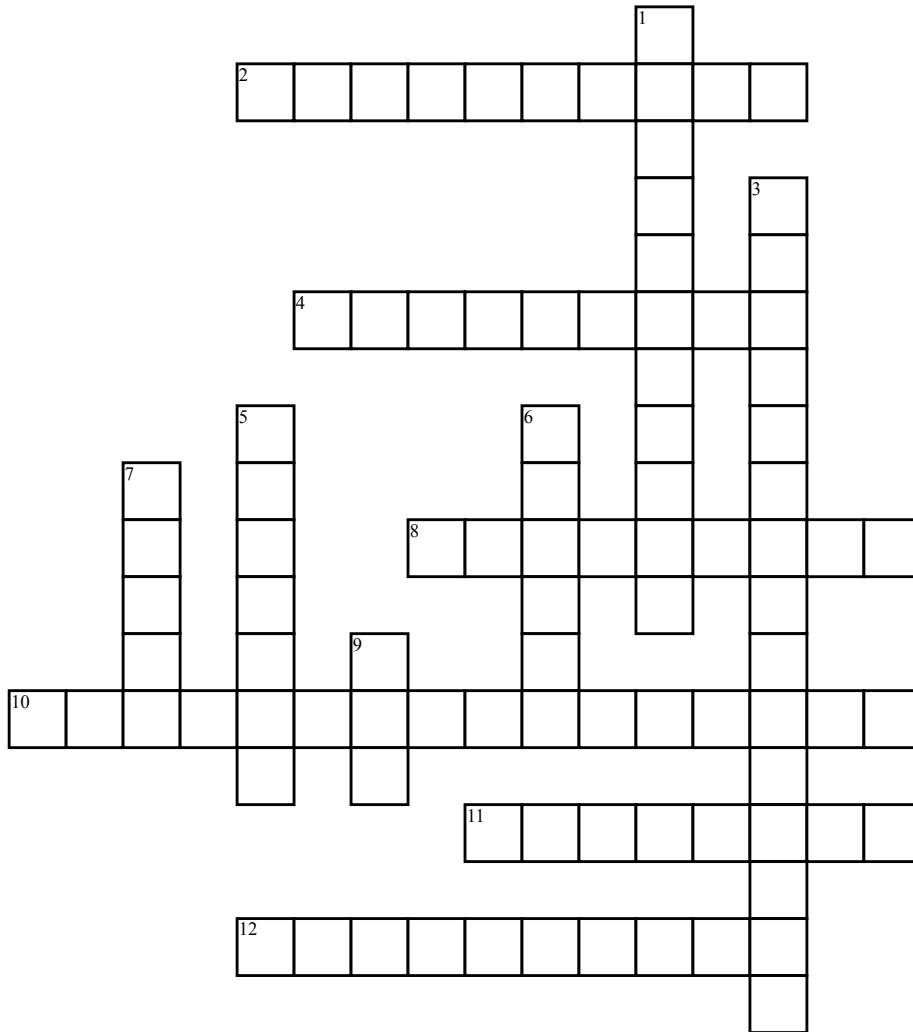


# Greenhouse effects & Atmosphere and Geosphere



**Across**

- 2. a type of heat transfer by electrons between objects by direct contact
- 4. is the portion of the earth that includes rocks and minerals.
- 8. a dense sphere of solid iron and nickel at the center of Earth.
- 10. a warming of Earth's surface and troposphere (the lowest layer of the atmosphere).

11. a salt or ester derived from silicic acid.

12. the envelope of gases surrounding the earth or another planet.

**Down**

1. the force resulting from a column of air pressing down on an area.

3. a gas that contributes to the greenhouse effect by absorbing infrared radiation.

5. a colorless odorless gas used as a fuel.

6. the layer of the earth between the crust and the core.

7. a form of oxygen that has three oxygen atoms in each molecule instead of the usual two.

9. a heavy odorless colorless gas formed during respiration and by the decomposition of organic substances; absorbed from the air by plants in photosynthesis.

**Word Bank**

- |                   |                  |              |         |
|-------------------|------------------|--------------|---------|
| Greenhouse effect | Greenhouse gases | Air pressure | Ozone   |
| Silicate          | conduction       | CO2          | Methane |
| Geosphere         | Inner Core       | Atmosphere   | Mantle  |