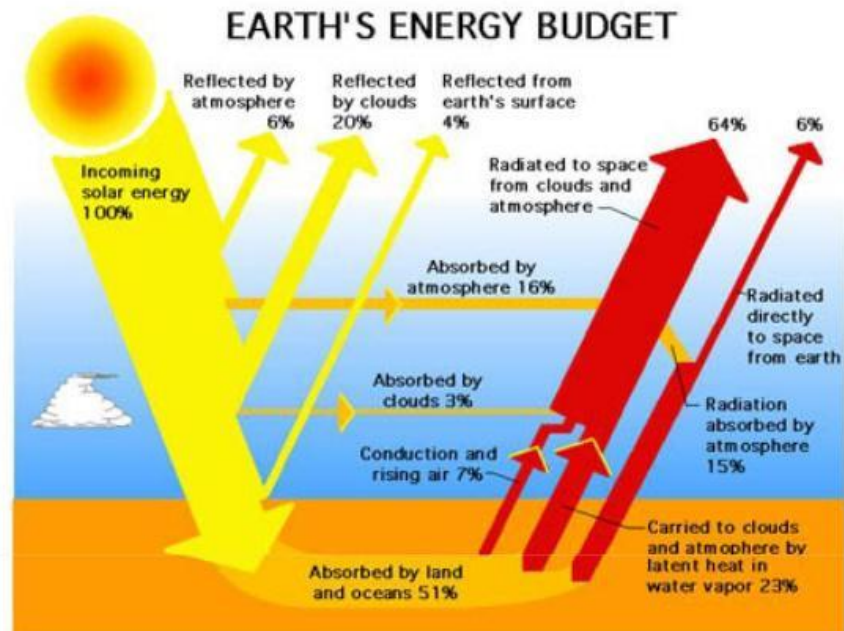


## Reflection

- The Earth receives only a small portion of the sun's energy.
  - About \_\_\_\_% less than ( $\frac{1}{3}$ ) of solar energy is reflected back into outer space.
  - About \_\_\_\_% ( $\frac{1}{2}$ ) of solar energy is absorbed by Earth's surface.
  - About \_\_\_\_% ( $\frac{1}{5}$ ) of solar energy is absorbed in Earth's atmosphere.

## Absorption

## Heat



## Drag and Drop

air

motion

heating

unequally

equal

weather

- The Earth is heated \_\_\_\_\_, which causes our \_\_\_\_\_.
- Incoming solar radiation is \_\_\_\_\_ to the energy that leaves Earth's atmosphere.
- The radiation we receive from the sun is responsible for:
  - the motion of the \_\_\_\_ in the atmosphere
  - the \_\_\_\_\_ of Earth's troposphere
  - the \_\_\_\_\_ of Earth's hydrosphere (oceans)
  - many other essential processes

## Practice

Fill in the blanks with the correct percentages.

Reflected = \_\_\_\_

Absorbed by atmosphere = \_\_\_\_

Absorbed at surface = \_\_\_\_

