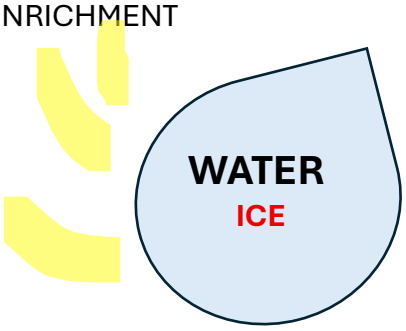



Glaciers, snow, and sea ice cover about 10% of Earth's surface. Its presence promotes a temperate climate. Too little snow ice means more solar radiation is absorbed and the Earth heats up too much. Too much snow and solar reflection cause the Earth to be too cold. God "…created Earth to be inhabited." Is 45:18

*Because water expands in its frozen state, it is lighter and floats. Without this unusual property, Earth would become frozen solid.*

**QUESTIONS**:

| floats | hexagonal | salt/ocean water | 90% | ~9% | 10% | more or less |
|---|---|---|---|---|---|---|

1. _____ Snow reflects _____ of sunlight and help climate cooling.
2. _____ When water freezes, it expands by _____.
3. _____ The structural/atomic shape of ice molecules.
4. _____ Ice _____ and forms a protective insulating layer for marine life.
5. _____ Melting ice/fresh water is lighter than _____ and provides drinking water for various species, including humans.
6. _____ Continental glaciers, snowpack, and sea ice cover _____ of earth.
7. _____ Blue ice and snowflakes are _____ shaped crystals.
8. _____ Ice takes up _____ space than the same amount of water.
9. _____ Ice reflects _____ sunlight than earth's surface does.
10. _____ Because ice _____sunlight can melt it. If ice sank in lakes or the ocean, eventually these water bodies would be frozen solid.

Thinking about ICE!

Give 2 examples of floating ice objects?

a. b.

Since water vapor is invisible, what forms of water are found in clouds? Name 3:

a. b. c.