

**oceans-rivers-streams-estuaries-swamps-ice-ponds**



**Water, Water  
Everywhere**

**Name** \_\_\_\_\_

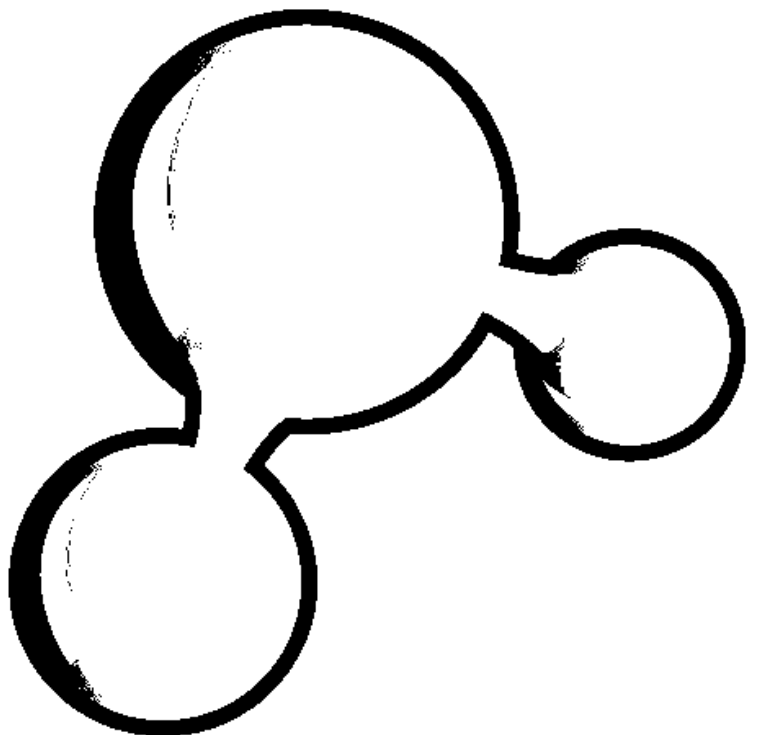
**atmosphere-clouds-wetlands-glaciers-snow-soil**

# What is Water?

- “Hydro”: \_\_\_\_\_ word for “water.”
- \_\_\_\_\_: the study of water.
- \_\_\_\_\_: a person who studies the flow of water around Earth.
- Water is made up of \_\_\_\_\_ hydrogen atoms and \_\_\_\_\_ oxygen atom (that’s how we get \_\_\_\_\_)
- Water comes in three states: \_\_\_\_\_ (ice), \_\_\_\_\_ (water), and \_\_\_\_\_ (steam/ vapor)



**Directions:** Label the large circle [atom] **O (for oxygen)** and the two smaller circles [atoms] **H (for hydrogen)**. Color the molecule when you are done.

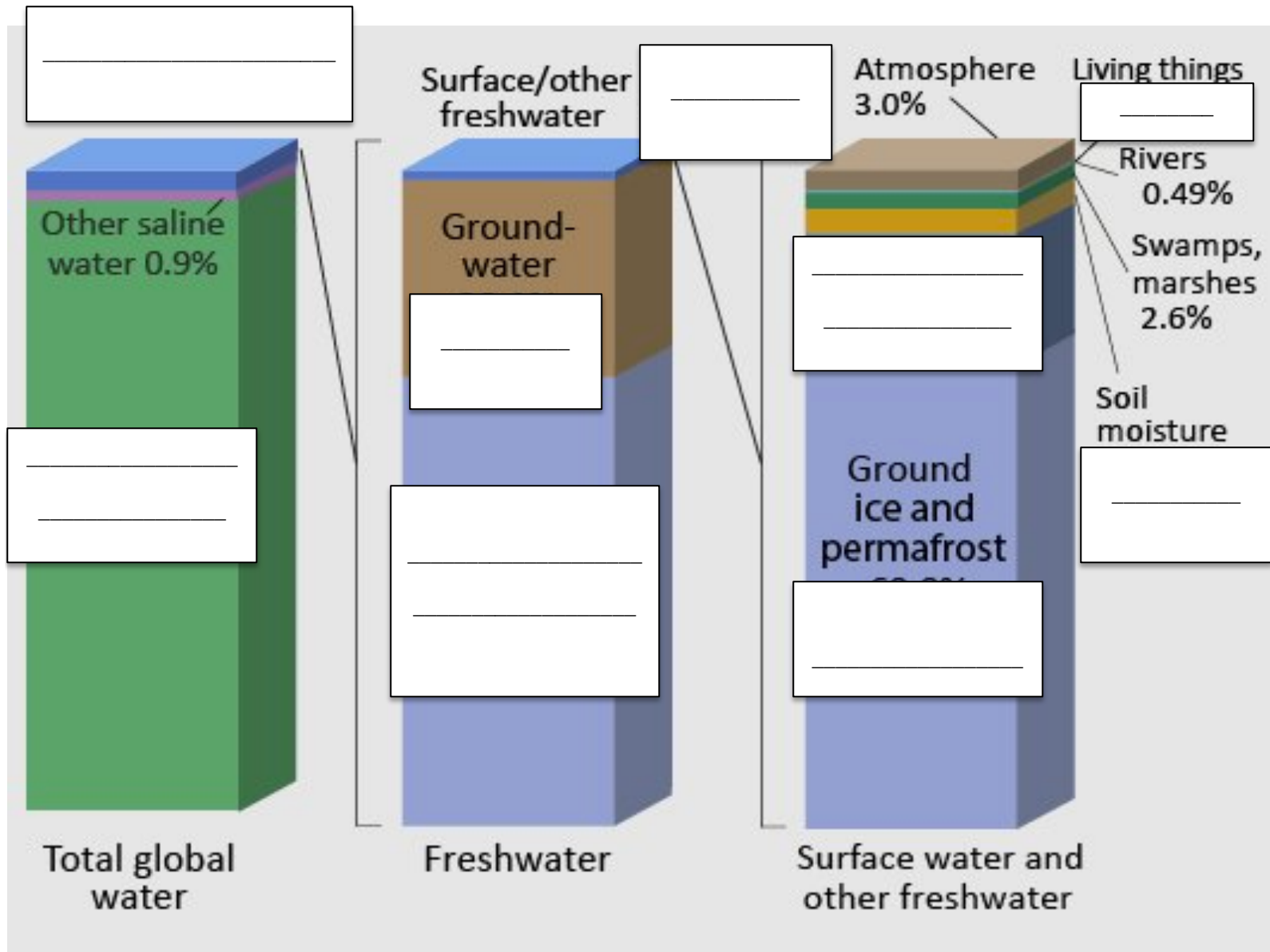


# Earth's Water Sources

- Earth is sometimes called the “ \_\_\_\_\_ Planet”
- \_\_\_\_\_: all the waters on Earth's surface, such as lakes and seas, and sometimes including water over the Earth's surface, such as clouds.
- On Earth, water is found in these places:
  - \_\_\_\_\_ [oceans, estuaries, and coral reefs]
  - \_\_\_\_\_ [ponds, lakes, streams, rivers, swamps, and wetlands]
  - \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
  - \_\_\_\_\_, \_\_\_\_\_,
  - \_\_\_\_\_, \_\_\_\_\_,
  - \_\_\_\_\_
- \_\_\_\_\_ Water: water that collects on the ground; this is the most attainable type of water.
- \_\_\_\_\_% of the Earth's land mass is made up of glaciers and ice caps.
- Earth's atmosphere contains ~12, 900 \_\_\_\_\_ kilometers (~3.04 US liquid \_\_\_\_\_) of water.

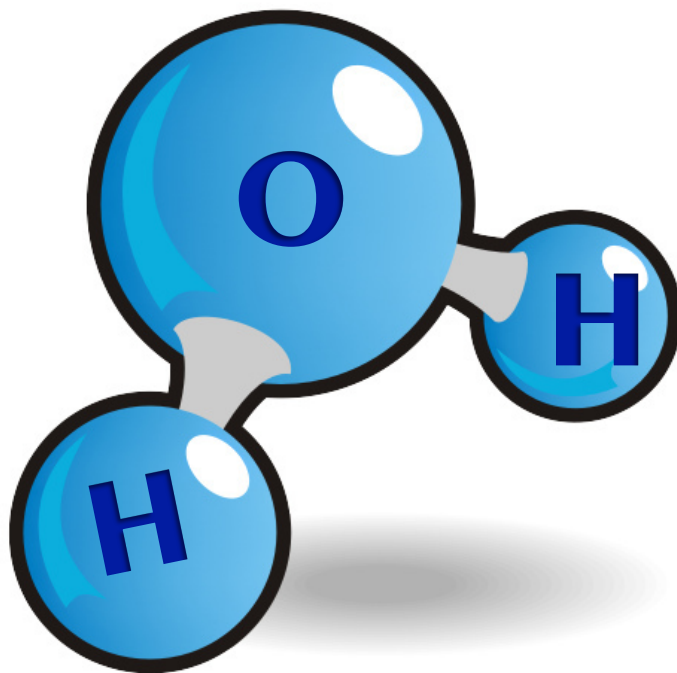


# Where is All the Water?



# What is Water?

- “Hydro”: **Greek** word for “water.”
- **Hydrology**: the study of water.
- **Hydrologist**: a person who studies the flow of water around Earth.
- Water is made up of **2** hydrogen atoms and **1** oxygen atom (that’s how we get **H<sub>2</sub>O**)
- Water comes in three states: **solid** (ice), **liquid** (water), and **gas** (steam/vapor)



# Earth's Water Sources

- Earth is sometimes called the “**Blue** Planet”
- **Hydrosphere**: all the waters on Earth's surface, such as lakes and seas, and sometimes including water over the Earth's surface, such as clouds.

- On Earth, water is found in these places:

**Marine Biome** [oceans, estuaries, and coral reefs]

**Freshwater Biome** [ponds, lakes, streams, rivers, swamps, and wetlands]

**Ice caps, glaciers, permanent snow, soil moisture, ground ice, permafrost,**

**atmosphere**

- **Surface** Water: water that collects on the ground; this is the most attainable type of water.
- **10%** of the Earth's land mass is made up of glaciers and ice caps.
- Earth's atmosphere contains ~12, 900 **cubic** kilometers (~3.04 US liquid **gallons**) of water.



# Where is All the Water?

