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

**GROUNDWATER NOTES**

*Important Components to Making Groundwater:*

Zone of Aeration: area that adds \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into the water

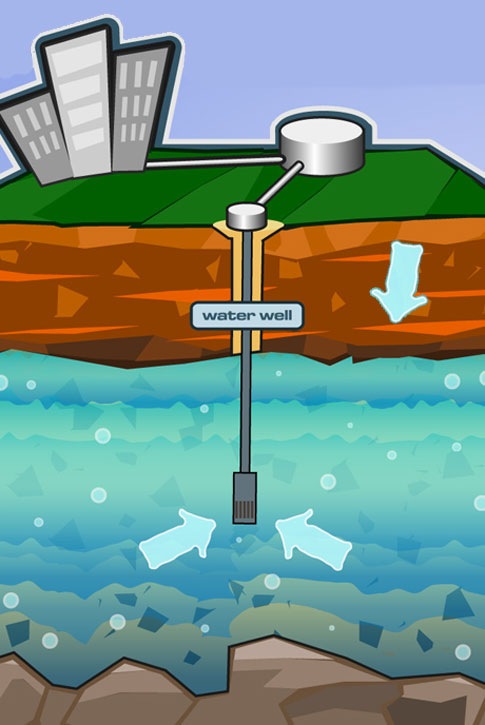
Zone of Saturation: area that adds \_\_\_\_\_\_\_\_\_\_\_\_\_\_ into the water

Water table: the \_\_\_\_\_\_\_\_\_\_\_\_\_ surface of underground water

Impermeable Rock: rocks and soil that are really close together which \_\_\_\_\_\_\_\_\_\_\_\_\_\_ the water

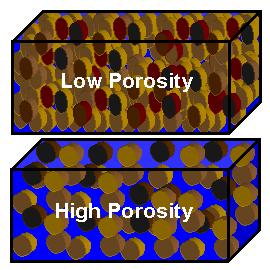
Recharge area: surface water that comes down into the ground and reaches the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and is able to enter the aquifer.

**LABEL THE FOLLOWING:**

1. Aquifer
2. Water table
3. Impermeable layer
4. Zone of saturation
5. Zone of aeration
6. Recharge area

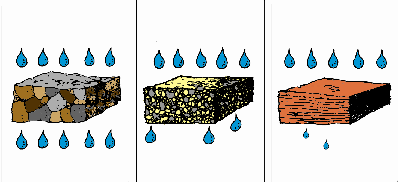
What are aquifers and why are they important?

How do aquifers get their water?



Porosity: the amount of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ spaces

This is due to the \_\_\_\_\_\_\_\_\_ of particles



Permeability: rock’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to let water pass through.

*Impermeable* = rocks that \_\_\_\_\_\_\_\_\_\_\_\_ the flow of water

What’s up with U.S and their groundwater??

Can pollution of groundwater happen? If so, what is it called?

*Groundwater* can also form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This is formed by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ weathering.

Stalagmites come from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Stalactites come from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Groundwater can form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This is because the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ lowers in a cave.

**REVIEW:**

What describes an aquifer’s ability to allow water to flow through?

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the upper surface of the zone of saturation.

A watershed is a region of land \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

When does a sinkhole form?