

Rubrics

Level 4

- Students understand that mineral soils are classified by texture and can accurately list the 3 different soil textures.
- Students understand that soils have different permeability rates and can list 4 factors that affect permeability.
- Students can describe how igneous, metamorphic, and sedimentary rocks are formed and can use a dichotomous key to identify the three different types of rocks.
- Students understand the importance of groundwater as a source of drinking water, as well as a recharge reservoir for rivers and streams.

Level 3

- Students understand that soils are classified by texture and can accurately list 2 different soil textures.
- Students understand that soils have different permeability rates and can accurately list 3 factors that affect permeability.
- Students can list the three different types of rocks but are unsure of how they are formed.
- Students understand the importance of groundwater as a source of drinking water.

Level 2

- Students understand that soils are classified by texture and can list 1 soil texture.
- Students understand that soils have different permeability rates and can list 2 factors affecting permeability.
- Students understand that there are different types of rocks, but cannot list them and don't understand how they are formed.
- Students understand that groundwater is important, but cannot explain why it is important.

Level 1

- Students know that soils have different textures, but cannot identify these by name.
- Students know that water can move through soils, but do not know that a variety of factors can affect permeability rates.
- Students cannot name any of the three types of rocks.
- Students understand that water under the soil's surface is called groundwater, but do not know its significance.