

1. Mr. Parr: [Soil Layers Song](#)
 - a. Copy and complete the following:
 - i. What soil types are mentioned in the song?
 - ii. How is soil formed?
 - iii. Draw a diagram of the soil horizons in order from top to bottom on the back of this page.
 - iv. In which layer are plants?
 - v. Where is humus?
 - vi. Note: You're not responsible for knowing any of the 'sols' mentioned in the song.
2. Mr. Parr: [Weathering and Erosion Song](#)
 - a. Copy and complete the following:
 - i. Explain how weathering can break rocks:
 - ii. Name the two types of weathering:
 - iii. What does erosion do to rocks?
3. [Erosion Lab](#)
 - a. Watch the erosion lab. Write a 1-paragraph summary of the lab and attach. In your summary, include: the scientific question (what is being tested), the materials used, the basic procedures, your observations, and the results. You need at least a 5-sentence paragraph.
4. [Study Jams: Soil](#)
 - a. Play the video.
 - b. Copy and complete the following:
 - i. Soil is a mixture of...
 - ii. Describe the different types of soil.
 - iii. What do plants need from soil?
 - iv. How can people harm soil?
 - v. How can people protect soil?
 - c. Test yourself. Show the teacher your score and record it here: _____
5. [Hidden Horizons Puzzle Game](#)
 - a. Play the game to see if you can get all the horizons right.
6. [Earth's Skin Types](#)
 - a. Click on each to learn more.
7. [Minerals Make a Difference](#)
 - a. Click on each to learn more.
8. [The Groundwater Story](#)
 - a. Copy and answer the following questions on a piece of paper and attach:
 - i. What is groundwater?
 - ii. What problems were addressed in this video?
9. [What is Groundwater?](#)
 - a. Copy and answer the following questions on a piece of paper and attach:
 - i. Explain what an aquifer is.
 - ii. What is the water table?

- iii. Draw a diagram and explain the saturated and unsaturated zones in relation to the water table.
- iv. How does water become groundwater?

10. [Game Up: Desalination](#): **You may work with a buddy on this part.**

- a. On a piece of paper, copy and complete:
 - i. What does the Rime of the Ancient Mariner mean? (Water, water everywhere, nor any drop to drink.)
 - ii. What is your task?
 - iii. This one takes trial and error. Go in order. Start with warm water to aerosolizer. Once you make that one green, go on to the one below it until you have them all green. (You don't have to write this part.)
 - iv. List each part of the machine and what it does.
 - v. What does desalination mean?
 - vi. Were you successful?
 - vii. Note: It's ok to work with a buddy on this part.

11. [Where in the Soil World Are You?](#)

- a. Click on each to discover where it is in the soil world.

12. [Underneath it all Explorer](#)

- a. Click on each to learn more.

13. [State Soil Interactive](#)

- a. Learn about soil all over our country.
- b. Be sure to click on our state.

14. [Chef's Soil Challenge](#)

- a. Who won and why?

15. Complete Metric Unit Conversion Sheet and attach.