

Mars for Earthlings

LESSON 5: Why Matter & Minerals Matter

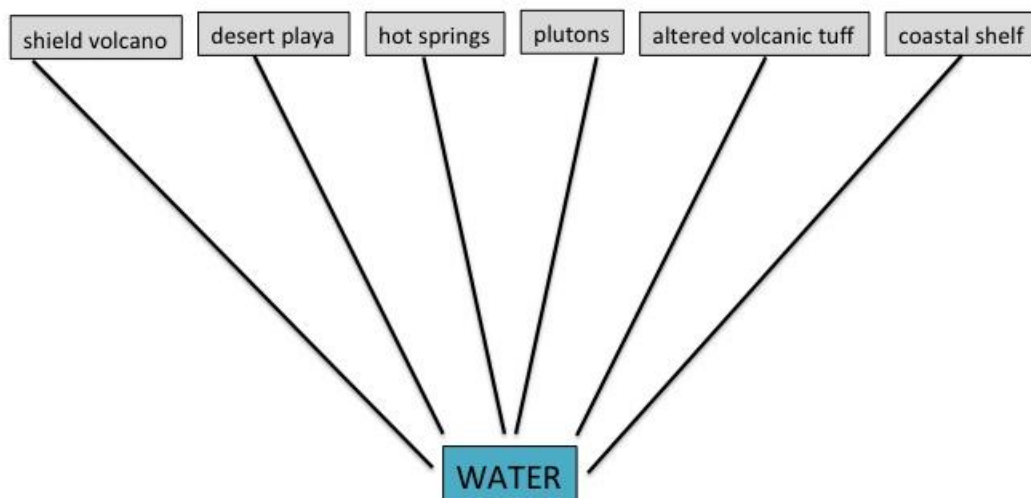
In-Class Activity 1

Follow the Water

Objective: Observe various minerals and identify their connection to water using their chemical formulas and depositional environments of formation. *Note: This lesson requires background knowledge of rocks and minerals and could require additional material and/or explanation.

Directions:

1. Connect the minerals/formula to their respective environments of formation with an arrow.
2. Identify how these minerals and environments are connected to **liquid** water. Write Yes/No on arrow from environment to WATER and a brief reason for your choice.



3. Do you think some of the previous minerals have multiple environments of formation? If so, which ones?
4. Rank the minerals in terms of which are the most likely to infer an aqueous environment on Mars (1-highest, 6-lowest).