



## Science Toolkit: Grade 6 Objective 2.A.2.c

Student Handout: Science: Grade 6 Objective 2.A.2.c

Standard 2.0 Earth/Space Science

Topic A. Materials and Processes That Shape A Planet

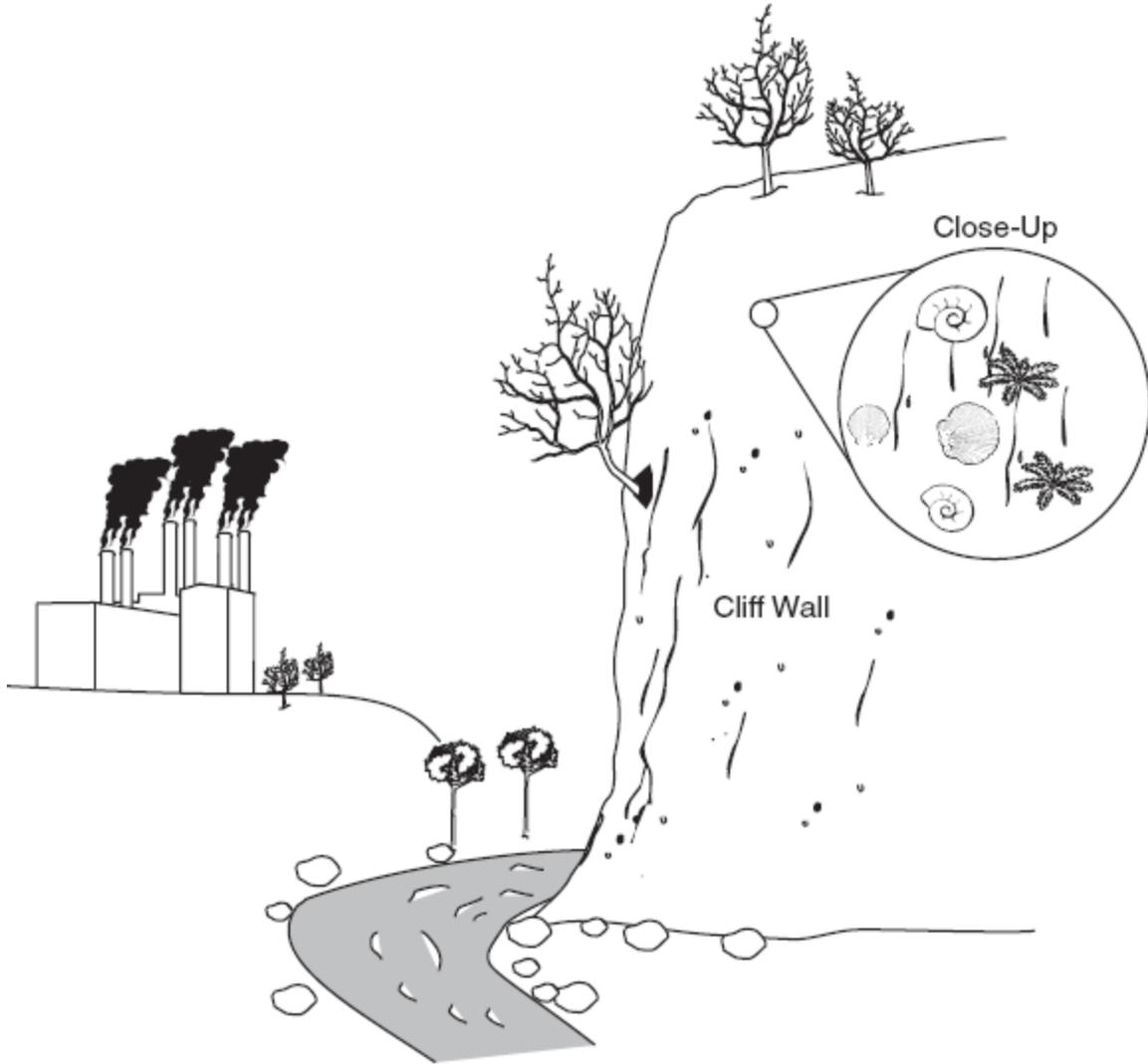
Indicator 2. Cite evidence to demonstrate and explain that physical weathering and chemical weathering cause changes to Earth materials.

Objective c. Compare physical and chemical weathering and provide examples of changes caused in Earth materials or features by each of these processes.

Selected Response (SR) Item

Question

Use the picture below to answer the following.



Each spring, a crevice in the cliff wall widens and deepens.

What is the best explanation for how physical weathering causes the crevice to widen and deepen?

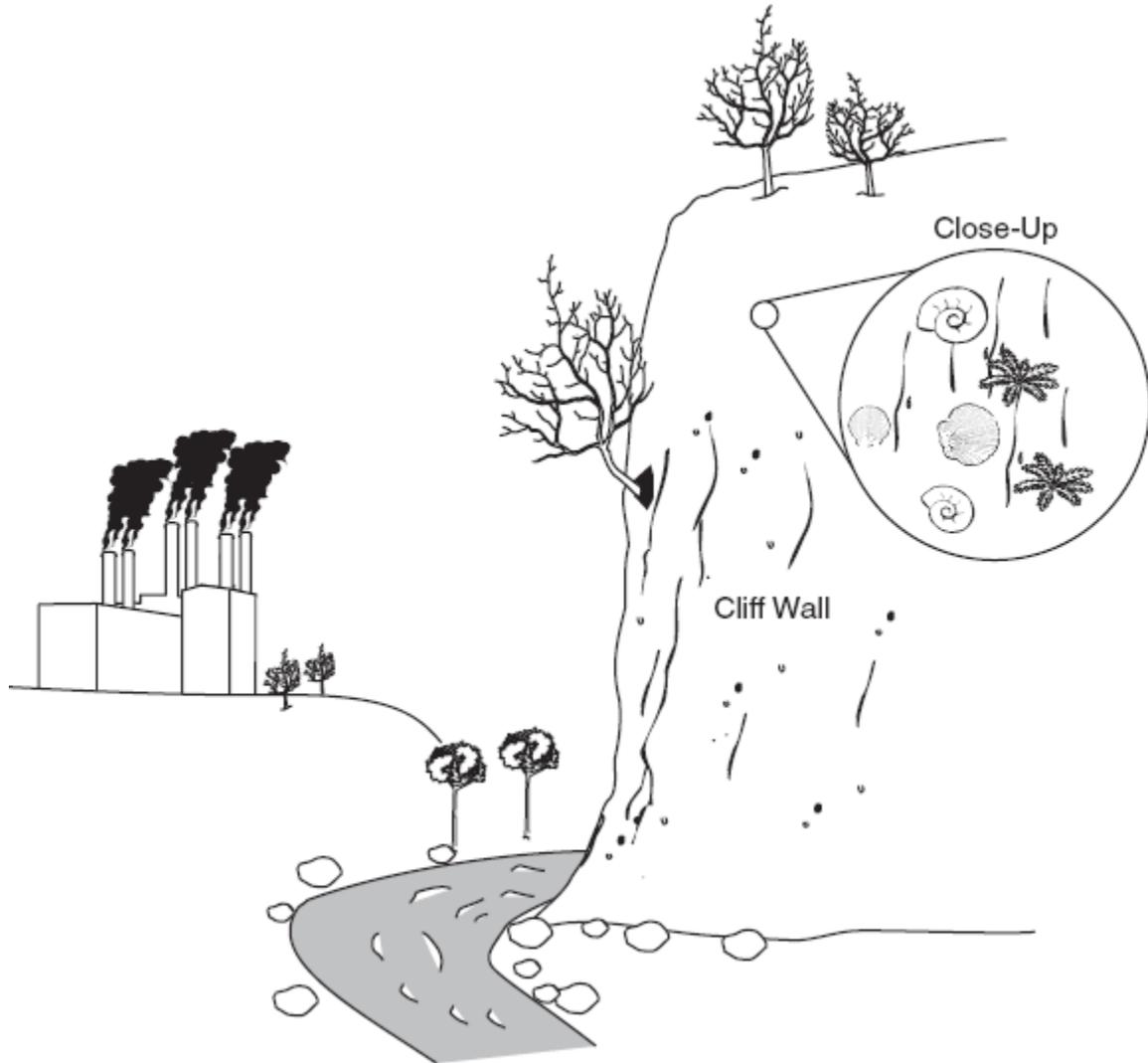
- A. Winds deposit sand into the crevice.
- B. Water freezes and expands in the crevice.
- C. Snow melts and evaporates between the rocks in the crevice.
- D. Air pollution in the area causes a reaction that widens the crevice.

Correct Answer

B. Water freezes and expands in the crevice.

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