### Objective(s):
- To evaluate the ability of the crushability test to confirm the identity of a substance.
- To identify a range of physical properties of matter as effective characteristics for identification.
- To compare and contrast phase changes of matter: melting/freezing and condensation/vaporization.

### Notes:
During the video segment, use words, phrases or drawings to take notes.

### Summary:
After watching the video segment, write at least three sentences explaining what you learned. You can ask yourself: “If I was going to explain this to someone else, what would I say?”
QUESTIONS TO CONSIDER:
UNIT 2, SEGMENT C

After watching the video and performing any associated labs and/or experiments, you should be able to answer the following:

In this segment, students perform identification testing using the physical property of crushability. Make sure that you perform the crushability test yourself before proceeding.

1. Why is crushability alone not enough to verify the identity of these materials?

2. Crushability is really a physical property used by scientists to examine the brittleness of rocks and glass. What is brittleness?

3. Name a material that is malleable.

4. Why do we say that magnetism is a physical property of matter?

5. What are the freezing point and boiling point of water in degrees Celsius?

6. When a material changes from solid to liquid to gas, this is called a phase change. What is vaporization? How can you cause water to vaporize?

7. What is condensation? How can you cause water to condense?

8. What is freezing? How can you cause liquid water to freeze?