

Name \_\_\_\_\_

Write a scientific explanation for each of the following examples. A scientific explanation contains a claim, some evidence and an explanation of your reasoning.

*Example:* Claim: The red material in vial A is non-living.

Evidence: The material didn't change. None of the seven characteristics of life were observable. It didn't eat or grow or reproduce, etc.

Reasoning: Living things exhibit seven characteristics when in the right environment. This material did not exhibit any of the seven characteristics. Therefore this material is probably not living, or it's in the wrong environment.

1. Vial B in our Five Materials activity turned cloudy, had bubbles in it and developed a strong odor after two days. Explain why you could claim that the material in vial B was living or non-living.

Claim:

Evidence:

Reasoning:

2. Vial D had brown pellets that had roots and leaves coming out after four days. Explain why you could claim that the material in vial D was living or non-living.

Claim:

Evidence:

Reasoning:

3. In the milk co-motion experiment, whole milk swirled longer than skim milk. Write a scientific explanation why this might have happened.

Claim:

Evidence:

Reasoning: