

Disappearing Liquids are Cool Questions and CER-

[Video Link](#)

Directions

1. Fill out the questions 1-5
2. Answer the reasoning section for the CER

Questions-

1. Explain why a breeze can help you after a workout.

2. Explain why wind breakers are helpful.

3. Explain the difference between running in Arizona vs. Michigan.

4. What is the main ingredient in hand sanitizer, and how does that relate to this lesson?

5. What does that spray seen in soccer matches do?

REASONING QUESTION ON THE NEXT PAGE

Claim- The claim is a statement that provides the researcher's answer to the question investigated.

Sweating helps the body cool down.

Evidence- Evidence is the scientific data selected to support the claim.

Scientific data is data (information) that can be gathered through first-hand (empirical) investigations, observations, and/or archived data.

Immediately after a run, the runner's temperature was 100 degrees celsius. After their sweat evaporated their temperature was 98.6 degrees celsius.

Reasoning- Reasoning is the argument used to determine why the selected data should count as evidence. A strong argument should include:

- personal prior knowledge
- how the investigation was a fair test
- scientific concepts, principles or theories
- ideas, evidence, and arguments of others
- Why.

*Your Reasoning- Why does sweat cool you down? Be sure to use the following words (**in bold**) with your answer: **evaporate, phase change, intermolecular force, heat energy***