

Name:

Date:

Class:

Claim

A statement with a response to the question, prompt, or problem.

(Hints – Use key words or ideas provided in the question, prompt, or problem. Try to avoid using personal pronouns.)

A water filtration system with the use of activated carbon is an effective solution to help remove pharmaceuticals from our drinking water.

Evidence

Provide information (measurements or observations) from the text, data, graph, or diagram that supports the claim.

(Sentence starters – The text/graph/data/diagram _____, According to the text _____, One piece of evidence is _____, In the text _____)

- The chlorine test strip indicated a concentration of 10 ppm after the water was filtered.
- The water does not go through the activated carbon too fast or too slow (5 seconds).

Claim Evidence Reasoning

Reasoning

Explain HOW the evidence supports the claim.

(Sentence starters – The evidence supports the claim because _____, Based on this evidence, it can be concluded (rephrase claim) because (your analysis), All of this proves that (rephrase your claim) because (your analysis) _____)

The evidence supports the claim because the filtration system with activated carbon resulted in water with a much lower chlorine concentration after filtration (10 ppm vs. 200 ppm). Additionally, the amount of time that the water went through the filter was enough for the activated carbon to successfully remove the majority of toxins. Thus, the activated carbon filtration system is an effective solution to removing compounds from drinking water.

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Need help writing your REASONING?

Follow this path....

Step 1

- Re-state your claim.

Step 2

- Provide some scientific principles/knowledge that you already have about a topic.

Step 3

- Provide data from the activity that connects to the scientific principles/knowledge you mentioned in Step 2. Show that your data can be used to prove your claim.

Step 4

Wrap up your reasoning with a conclusion sentence that begins with a word such as "Therefore," "Hence," "Thus,"