

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.)

The human activity of improper disposal of pharmaceuticals causes negative effects on the environment and the health of aquatic organisms.

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 _____)

- According to the podcast, pharmaceuticals ending up in the water from human waste stream and municipal wastewater treatment facility outfalls can change the hormone system of fish, “resulting in changes in secondary sexual characteristics and potentially resulting in reproductive failure.”
- One study reported that some male fish like bass are exhibiting female characteristics.
- According to the news video, male fish are having eggs in their testis.

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 sexual changes and possible reproductive failure of fish caused by human’s improper disposal of pharmaceuticals is a negative effect on aquatic organisms’ health.

Based on the evidence, it can be concluded that the improper disposal of pharmaceuticals by humans negatively affects aquatic organisms because it results in sex changes in fish and potential reproductive failure.

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,"