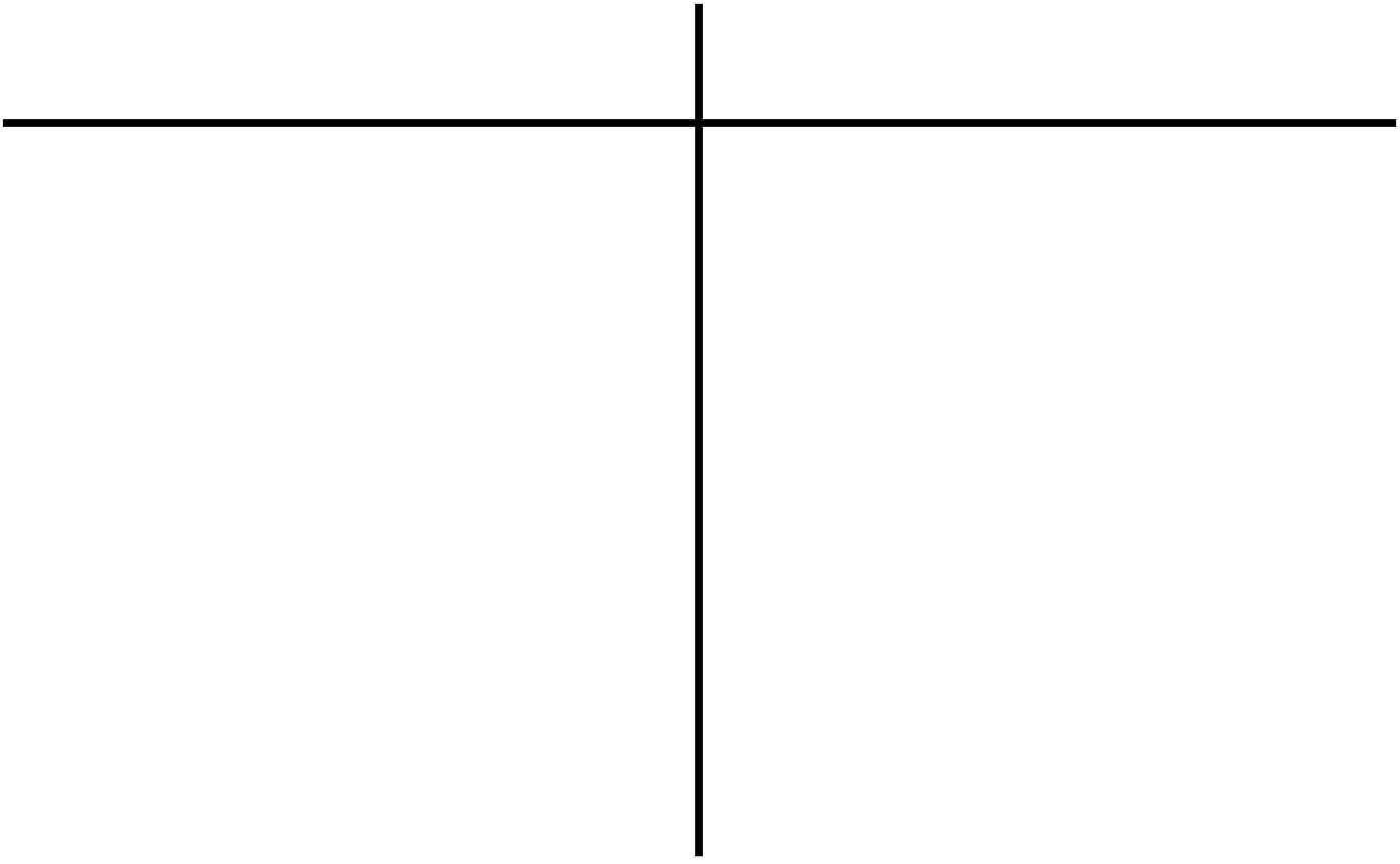
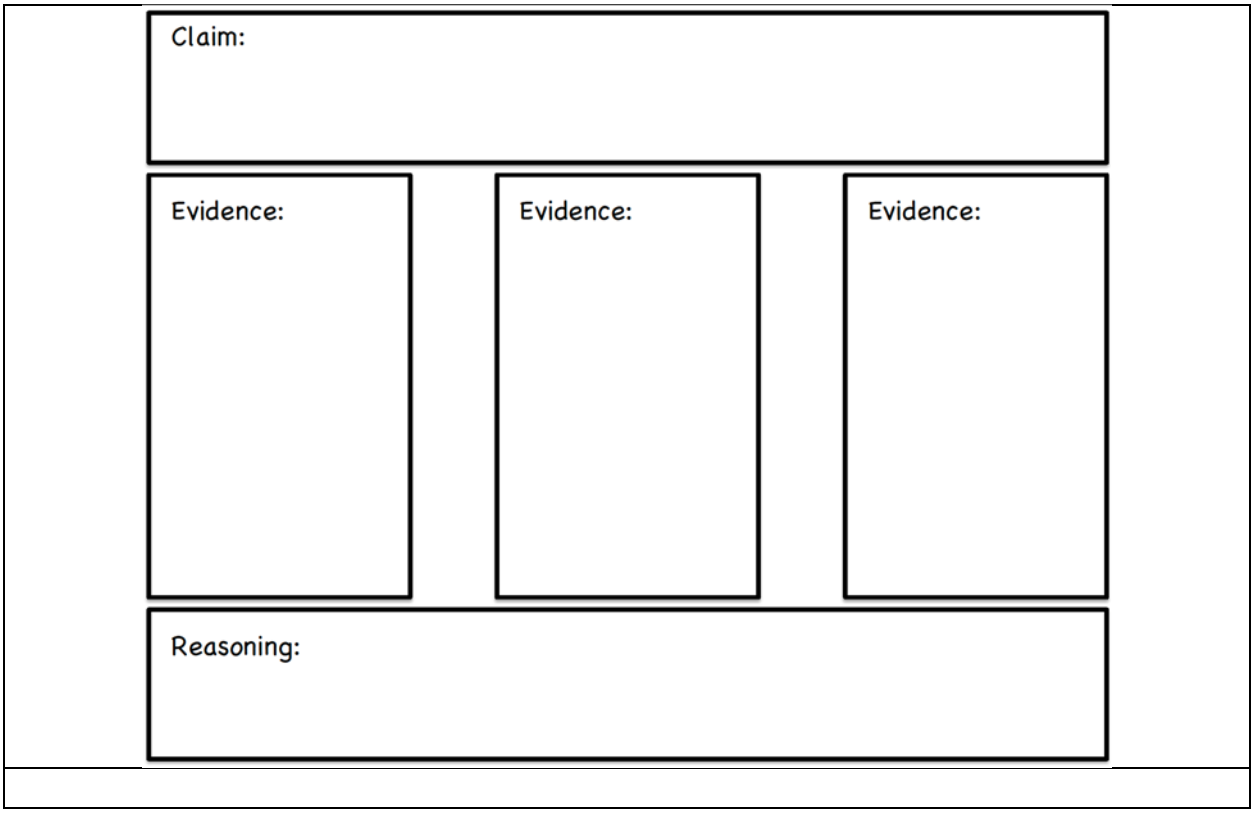
How are they alike?

How are they different?




Claim:
Evidence:
Evidence:
Evidence:
Reasoning:

## Claims, Evidence and Reasoning Rubric

**Name:** _____

| Category | N/A (0) | Beginning (1) | Approaching (2) | Meeting (3) | Score |
|---|---|---|---|---|---|
| Claim<br>A conclusion that answers the original question. | Does not make a claim. | Makes an inaccurate claim. | Makes an accurate, but incomplete claim. | Makes an accurate and complete claim. | |
| Evidence<br>Scientific data that supports the claim. The data needs to be appropriate and sufficient to support the claim. | Does not provide evidence. | Evidence is inappropriate or it does not support the claim. | Provides appropriate, but insufficient evidence. May include some inappropriate evidence. | Provides appropriate and sufficient evidence to support claim. | |
| Reasoning<br>A justification that links the claim to the evidence. It shows why the data counts as evidence by using appropriate scientific principles. | Does not include reasoning. | Reasoning is not appropriate or does not link the claim to the evidence. | Provides reasoning that links claims to evidence. Repeats evidence and/or includes some scientific principles, but not sufficient. | Provides accurate and complete reasoning that links evidence to the claim. Includes appropriate and sufficient scientific principles. | |
| | | | | **Total Score** | |

Figure 2. Claims, Evidence and Reasoning Writing Rubric

## Biomimicry Design Rubric

**Name:** _____

| Category | N/A (0) | Beginning (1) | Approaching (2) | Meeting (3) | Score |
|---|---|---|---|---|---|
| Problem<br>A clear problem is defined. | Problem is not defined. | Problem is defined, but not related to nature-inspired observation. | Problem is defined and somewhat related to nature-inspired observation. | Problem is defined and clearly related to nature-inspired observation.. | |
| Designed Solution<br>A solution has been designed and built to solve the problem. | Design is incomplete. | Design is complete, but not related to nature-inspired observation | Design is incomplete, but related to nature-inspired observation. | Design is complete and clearly related to nature-inspired observation. | |
| Biomimicry Understanding<br>A justification is given that clearly links the problem to the solution. It includes why different elements of the design were implemented with an emphasis on nature-inspired or biomimicry . | Does not include a justification for design. | Justification does not link to biomimicry. | Provides justification that links to biomimicry, but not appropriate. | Provides justification that links directly to biomimicry. Includes appropriate and scientific principles. | |
| | | | | **Total Score** | |

Figure 3. Biomimicry Design Rubric