

Claims Evidence Worksheet

The final assessment for this activity is the Claim-Evidence-Reasoning argument.

Claim, Evidence, Reasoning consists of:

- **Claim:** A statement that something is true; your claim should be a single sentence and should not include any explanation.
- **Evidence:** The data or facts that support your claim.
- **Reasoning:** Involves applying a rule or scientific principle to describe why and how your evidence supports your claim.

Here's an example:

- **Claim:** The air near the bus drop-off is the least healthy for people to breathe.
- **Evidence:** We recorded PM2.5 measurements as high as 105 ug/m3 when the buses were idling during morning drop-off. This was the highest of all our measurements.
- **Reasoning:** PM2.5 can get into your lungs and your bloodstream, which can cause many different health problems. The "Air Quality 101 Fact Sheet" informed us that there "is no safe level of exposure to particle pollution; recent research shows that health effects occur at levels well below current regulatory thresholds, especially for the most toxic particles, like those from diesel exhaust". Since the buses burn diesel and the PM2.5 levels we measured at the bus drop-off were the highest of all our measurements, it reasons that the air at the bus-drop off was the least healthy for people to breathe out of all the locations we sampled at.

Use the space below to create your own Claim-Evidence-Reasoning argument.

Claim: _____

Evidence: _____

Reasoning: _____

