

Name: _____ Topic: _____

I can provide an explanation of a scientific concept that incorporates *evidence* collected from observations, data, discussions and research to clearly demonstrate *what is known* and what *questions remain* unexplained.

- A The explanation provides enough detail to demonstrate a clear view of both the student's understanding of a science concept and the evidence used to back these statements. The information provided demonstrates advanced learning by identifying questions that still remain or identifying the strengths and weaknesses in the model or explanation. The explanation makes connections to other science concepts or views the concept from multiple perspectives.
- B The explanation provides enough detail to demonstrate a clear view of both the student's understanding of a science concept and the evidence used to back these statements.
- C The explanation provides some details to demonstrate a partial understanding of a science concept or the explanation is detailed but may provide only partial evidence to back the statements.