

Warm-Up: Answer the following questions on a HALF-SHEET (share!) of paper.

1. What do you think a "scientific model" is?
2. How are observations used in developing scientific explanations?
3. What do you think scientists should do if they find that their ideas DON'T explain everything the way they should?

A scientific model:

- Represents something else — it emulates the way something else works
- Based on observations
  - Observations are used:
    - to build the model
    - to modify the model
    - to test the model
- Scientists will change their models as they make new observations