Lesson 2 - Observation, Inference, & Classification

THE FOLLOWING VIDEO HAS BEEN APPROVED FOR ALL AUDIENCES
BY THE EARTH SCIENCE TEACHERS ASSOCIATION OF AMERICA, INC.

THE VIDEO HAS BEEN RATED

INTELIGENT

LABER 13 REQUIRES TRACHER
ASSISTANCE
STRONG EARTH SCHENCE LANGUAGE, DETAILED
DIAGRAMS, AND SUPER AMESUMENCES

- · I can define Observation
- · I can describe why we use Instruments
- · I can define Inference
- · I can describe Prediction
- · I can describe Classification

Observations

- Something detected by one or more <u>HUMAN SENSES</u>
 Sight, Hearing, Touch, Taste, or Smell
- · Here & Now

Example:
My MOM'S LASAGNA!!!



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Instrument · Improve our ability to make observations & take measurements - Telescope - look closer at stars - Scale - measure's weight

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Inferences

- · An interpretation of an observation
- Making an ASSUMPTION
- · Happened in the <u>future</u> or <u>past</u>

Examples:

- In the winter if you touch a car and it feels warn
you infer (assume) that it had been on recently



- If you hear a lawnmower you infer (assume) that someone is cutting the lawn.



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Prediction

· An inference based on observations

Example:

Meteorologists make inferences all the time about storms coming our way.

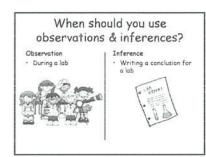
(Sometimes they are right and sometimes they are not!!)

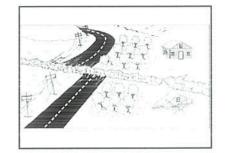


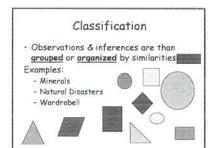




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