

Activity

16

Create and Test a Hypothesis

PURPOSE

To make an educated guess and test to see if it's true.

METHOD

1. Ask learners what they think *hypothesis* means. Explain: A hypothesis is an idea that you think might be true. It is a *prediction that you make based on the information you have*.
2. Ask learners to predict the result or idea of the activity, process, or text you are about to address. Ask learners to write their predictions as a one-sentence hypothesis.
 - a. They can predict the main idea of a text before they read it (What will this story be about?) or predict more specific information as they go along (What does this mean?).
3. Demonstrate whether the hypotheses are true by completing the activity: modeling the calculation, reading the text, watching the video, or conducting the experiment. The correct answer should become obvious so that learners will be able to see for themselves if they predicted the right answer.

SUGGESTIONS

- Select an activity or text where some answers are clear but not self-evident from the beginning. For example, use Activity 52: Use a Punnett Square to Predict Traits. Describe the traits of parents, and have learners predict the traits of the children. They can test their hypotheses with the squares.
- To use with small groups, ask each group to complete an activity and decide whether the hypothesis is true. Have all groups share their answers and discuss.

Activity

17

Summarize

PURPOSE

To summarize a reading passage in order to demonstrate understanding.