

ANTICIPATION GUIDE

Purpose

- To encourage students to consider carefully what they already know on a topic
- To stimulate students to engage actively in the topic (e.g. generate their own questions)
- To encourage reflective thinking beyond the literal level

The Greenhouse Effect

Tick the statements that are true:

- ... *The destruction of the ozone layer causes heating of the atmosphere*
- ... *The greenhouse effect is most severe at the Poles.*
- ... *The process of the heating of the earth's atmosphere is the same as the heating of a car with the windows wound up.*

Science: Earth and Beyond

Implementation

- Construct a series of ambiguous statements on a particular topic that reflect common misconceptions.
- Students complete the activity in pairs or small groups so that they have to justify their reasons for their choice of true or false.
- After silently reading or viewing a text on the topic, students revisit the anticipation guide and reject or confirm their initial choice with a page and line reference.

Evaluation

Some of the skills/understandings that may be observed include:

- The level of background knowledge on the topic;
- The ability to justify opinions;
- The ability to reflect on new information and modify previous misconceptions where necessary;
- The ability to substantiate or modify an opinion by referring closely to the text.

Principles of Learning and Teaching

- Connection and challenge
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Adapted from *Stepping Out Literacy and Learning Strategies, 1996, EDWA*