

KEY CONCEPTS

▲ The basic steps of the scientific method are:

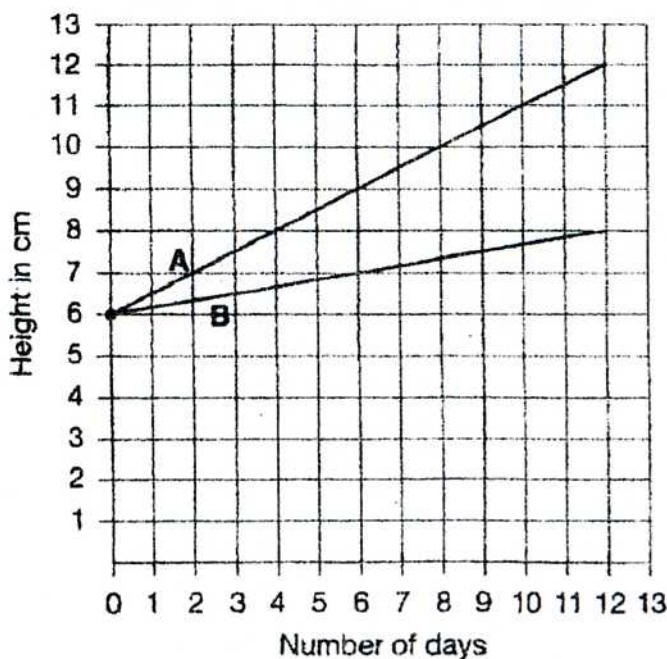
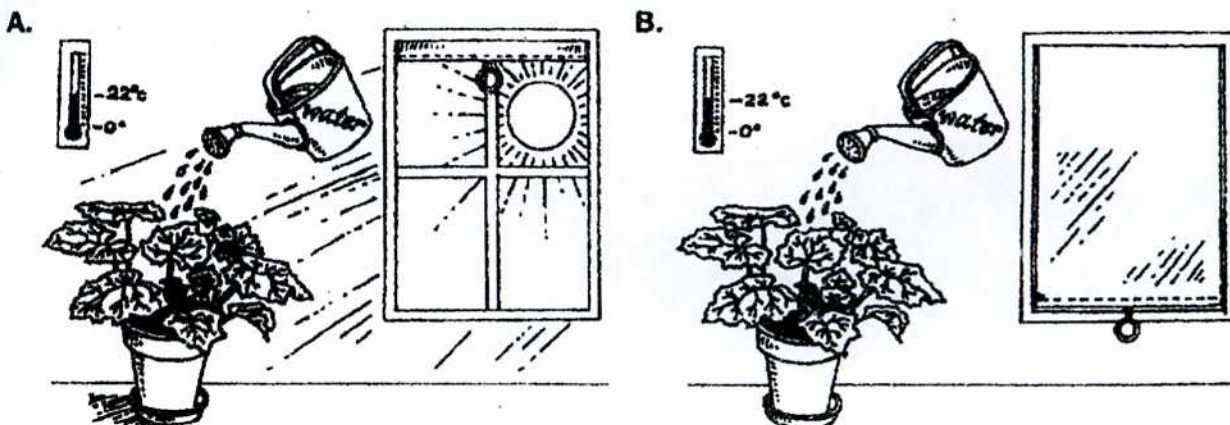
- Stating the problem
- Gathering information on the problem
- Forming a hypothesis

- Performing experiments to test the hypothesis

- Recording and analyzing data
- Stating a conclusion
- Repeating the work

■ Vocabulary Skills: Understanding Terms

The pictures below show a typical scientific experiment. Look at the pictures carefully, then answer the questions on the following page.



1. What is the **variable** in this experiment? How can you tell?
2. Which experimental setup is the **control**? Why?
3. Identify the **data** for this experiment. How is it displayed?
4. State a possible **hypothesis** for this experiment.