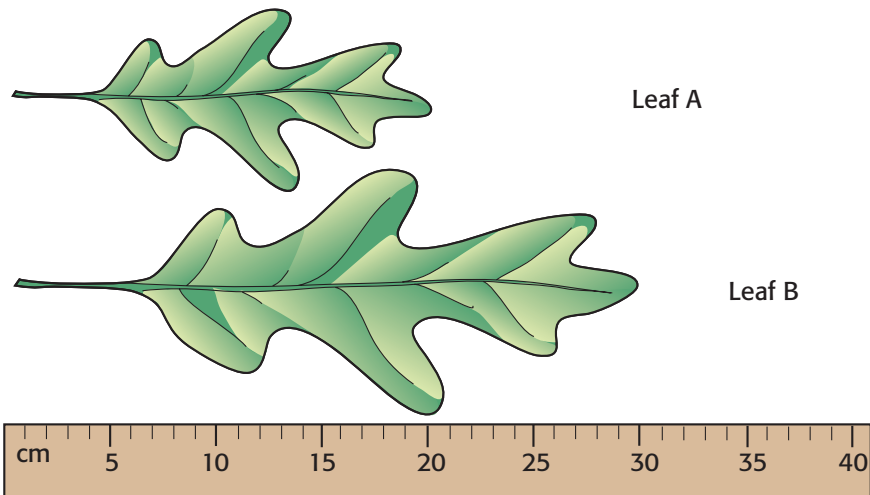


41

A student is studying trees. The student collects a large leaf and a small leaf from the lower branch of a tree. The student measures the length of each leaf.



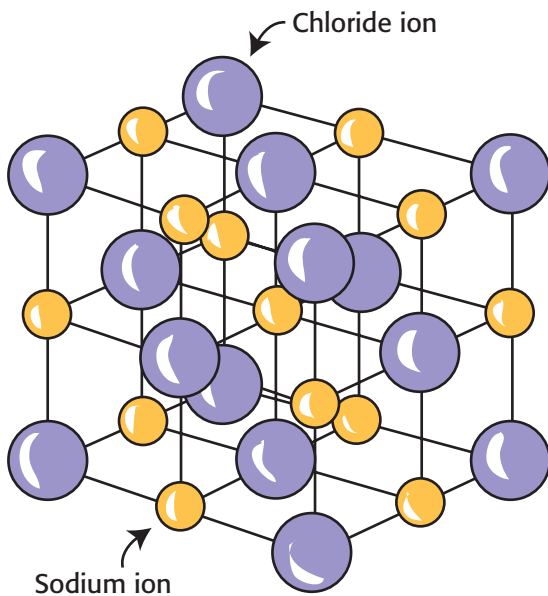
The student predicts that most of the leaves of this tree are 25 cm long.

- A. In your answer document, explain how the student was able to make this prediction.
- B. In your answer document, name 2 ways the student could improve this prediction.

42

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Students made the model below.



Which of the following questions were the students *most* likely trying to answer with this model?

- A** Which particles are found in an atom?
- B** What happens when a liquid evaporates?
- C** How are atoms in a compound arranged?
- D** Why are some atoms less common than others?