

A group of students is designing a solar cooker. As part of the design process, the students must test a prototype to see if it is able to boil water.

- a. Identify one step in the engineering design process the students should do **before** testing the prototype.
- b. Explain why the step you identified in part (a) is important in the engineering design process as it relates to the solar cooker.
- c. Identify one step in the engineering design process the students should do **after** they test the prototype.
- d. Explain why the step you identified in part (c) is important in the engineering design process as it relates to the solar cooker.