Compare Engineering Solutions

Grade 5 Science Worksheet

Name _____ Date _____

Read each requirement. Circle whether it is a criterion or a constraint.

1. The size must be smaller than a desk.
   criterion constraint

2. The chair must support a person.
   criterion constraint

3. It must be finished by Friday.
   criterion constraint

4. It must be made from three materials or fewer.
   criterion constraint

5. You can spend no more than 15 dollars.
   criterion constraint

6. The container must keep water cold for an hour.
   criterion constraint

7. The wheel must turn easily.
   criterion constraint

8. The project must cost less than 5 dollars.
   criterion constraint

9. Tools are limited to scissors and a ruler.
   criterion constraint

10. The robot must pick up a cup.
    criterion constraint

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Answer Key - Grade 5 Science Worksheet

Read each requirement. Circle whether it is a criterion or a constraint.

1. The size must be smaller than a desk.
   criterion (constraint)

2. The chair must support a person.
   (criterion) constraint

3. It must be finished by Friday.
   criterion (constraint)

4. It must be made from three materials or fewer.
   criterion (constraint)

5. You can spend no more than 15 dollars.
   criterion (constraint)

6. The container must keep water cold for an hour.
   (criterion) constraint

7. The wheel must turn easily.
   (criterion) constraint

8. The project must cost less than 5 dollars.
   criterion (constraint)

9. Tools are limited to scissors and a ruler.
   criterion (constraint)

10. The robot must pick up a cup.
    (criterion) constraint