Compare Engineering Solutions

Grade 5 Science Worksheet

Name _____ Date _____

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

1. The cooler must keep ice from melting for two hours.
   criterion constraint

2. The boat must float with 20 coins on it.
   criterion constraint

3. The space is only 1 square meter.
   criterion constraint

4. The kite must stay in the air for one minute.
   criterion constraint

5. The model must be easy to carry.
   criterion constraint

6. You may only use paper and tape.
   criterion constraint

7. The glider must fly straight.
   criterion constraint

8. The windmill must spin in a light breeze.
   criterion constraint

9. It can be no longer than 30 centimeters.
   criterion constraint

10. Only one person can work at a time.
    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 cooler must keep ice from melting for two hours.
   (criterion) constraint

2. The boat must float with 20 coins on it.
   (criterion) constraint

3. The space is only 1 square meter.
   criterion (constraint)

4. The kite must stay in the air for one minute.
   (criterion) constraint

5. The model must be easy to carry.
   (criterion) constraint

6. You may only use paper and tape.
   criterion (constraint)

7. The glider must fly straight.
   (criterion) constraint

8. The windmill must spin in a light breeze.
   (criterion) constraint

9. It can be no longer than 30 centimeters.
   criterion (constraint)

10. Only one person can work at a time.
    criterion (constraint)