Stars and Apparent Brightness

Grade 5 Science Worksheet - Challenge Me

Name _____ Date _____

Both stars give off the same amount of light. Circle the star that looks brighter from Earth.

1. Star A: 40 light-years away. Star B: 4 light-years away.
   Star A Star B

2. Star A: 100 light-years away. Star B: 400 light-years away.
   Star A Star B

3. Star A: 12 light-years away. Star B: 60 light-years away.
   Star A Star B

4. Star A: 8 light-years away. Star B: 200 light-years away.
   Star A Star B

5. Star A: 400 light-years away. Star B: 200 light-years away.
   Star A Star B

6. Star A: 4 light-years away. Star B: 20 light-years away.
   Star A Star B

7. Star A: 8 light-years away. Star B: 100 light-years away.
   Star A Star B

8. Star A: 40 light-years away. Star B: 400 light-years away.
   Star A Star B

9. Star A: 100 light-years away. Star B: 200 light-years away.
   Star A Star B

10. Star A: 100 light-years away. Star B: 40 light-years away.
    Star A Star B

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Answer Key - Grade 5 Science Worksheet - Challenge Me

Both stars give off the same amount of light. Circle the star that looks brighter from Earth.

1. Star A: 40 light-years away. Star B: 4 light-years away.

   Star A (Star B)

2. Star A: 100 light-years away. Star B: 400 light-years away.

   (Star A) Star B

3. Star A: 12 light-years away. Star B: 60 light-years away.

   (Star A) Star B

4. Star A: 8 light-years away. Star B: 200 light-years away.

   (Star A) Star B

5. Star A: 400 light-years away. Star B: 200 light-years away.

   Star A (Star B)

6. Star A: 4 light-years away. Star B: 20 light-years away.

   (Star A) Star B

7. Star A: 8 light-years away. Star B: 100 light-years away.

   (Star A) Star B

8. Star A: 40 light-years away. Star B: 400 light-years away.

   (Star A) Star B

9. Star A: 100 light-years away. Star B: 200 light-years away.

   (Star A) Star B

10. Star A: 100 light-years away. Star B: 40 light-years away.

    Star A (Star B)