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A Million Whys Book 7: Science Quiz

The Weather Expedition, by Crafty Clover.

Name: _____ Date: _____ Score: _____ / 10

The questions

A. Why Do Clouds Form in the Sky?
B. Why Does Sleet Bounce and Snow Float?
C. Why Does Thunder Shake Windows?
D. Why Do Ice Storms Coat Everything in Glass?
E. Why Do Fronts Look Like Triangles and Semicircles?
F. Why Do Meteorologists Still Go Outside?
G. Why Do Cold Snaps Arrive So Suddenly?
H. Why Is a Rainbow Curved?
I. Why Does a Prism Split White Light?
J. Why Wear Layers on Changeable Spring Days?

Write the letter of the matching question next to each fact.

1. Several thin layers keep you warmer than one thick layer. _____
2. The shape on the line shows what kind of front it is. _____
3. A full rainbow circle is possible from a plane or a high hill. _____
4. Rattling windows show that sound carries real energy. _____
5. An air mass is a huge body of air with the same temperature and moisture. _____
6. Sleet bounces and snow floats, so you can tell them apart by sound. _____
7. A shiny coat of ice can be beautiful and still be dangerous. _____
8. White light is a team of colors. _____
9. Good forecasts come from people and technology working together. _____
10. Clouds are made of water, but the droplets are far too small to fall as rain yet. _____

FOR GROWN-UPS

Answer key

1. **J** (Several thin layers keep you warmer than one thick layer. Book 7, Question 137)
2. **E** (The shape on the line shows what kind of front it is. Book 7, Question 61)
3. **H** (A full rainbow circle is possible from a plane or a high hill. Book 7, Question 105)
4. **C** (Rattling windows show that sound carries real energy. Book 7, Question 35)
5. **G** (An air mass is a huge body of air with the same temperature and moisture. Book 7, Question 89)
6. **B** (Sleet bounces and snow floats, so you can tell them apart by sound. Book 7, Question 20)
7. **D** (A shiny coat of ice can be beautiful and still be dangerous. Book 7, Question 49)
8. **I** (White light is a team of colors. Book 7, Question 124)
9. **F** (Good forecasts come from people and technology working together. Book 7, Question 75)
10. **A** (Clouds are made of water, but the droplets are far too small to fall as rain yet. Book 7, Question 1)

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