Natural Hazards

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

Circle the answer.

1. Engineers plan a bridge in an earthquake zone. Which design is best?

one that can sway a little without breaking

one with fewer supports to save money

one held up by loose stacked stones

one so stiff that it cannot move at all

2. Ravi tested two slope covers. He poured water on the grass slope from 10 cm and on the bare slope from 50 cm. Why is the test unfair?

The slopes had different covers.

The water fell from different heights.

He tested more than one slope.

He used water instead of soil.

3. A town has $50,000 and two years for a flood plan. A levee costs $40,000 and takes one year. A tunnel costs $90,000 and takes three years. Which plan fits?

the levee, since it meets both limits

neither, since both cost money

the tunnel, since it is bigger

the tunnel, since it costs more

4. Ana shook Model A gently and Model B hard on a shake table. B lost more blocks. Can she say A is the better design?

No, since she used two models

Yes, since A lost fewer blocks

Yes, since B was shaken for longer

No, since the shaking was not the same

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Answer Key - Grade 4 Science Worksheet - Challenge Me

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