**Take-Home Quiz: Ch. 4.2 Seismic Waves**

Name: Class: Date:

*Mark the box that indicates the correct answer. There can be more than one answer.*

Waves

Primary Secondary Surface

1. This type of wave is considered a “body” wave. ☐ ☐ ☐

2. This wave is the fastest traveling seismic wave. ☐ ☐ ☐

3. This type of wave is considered a shearing wave. ☐ ☐ ☐

4. This type of wave is considered a compressional wave. ☐ ☐ ☐

5. This type of wave is the slowest traveling seismic wave. ☐ ☐ ☐

6. This type of wave causes the greatest damage on. ☐ ☐ ☐

Earth’s surface

7. This type of wave cannot travel through Earth’s interior. ☐ ☐ ☐

8. This type of wave travels at a medium speed. ☐ ☐ ☐

9. This type of wave travels through solid and liquid. ☐ ☐ ☐

10. This type of wave produces severe ground motion. ☐ ☐ ☐

11. This type of wave travels only through solid. ☐ ☐ ☐

Seismograph Scales

M-Mercalli Richter Mom. Mag.

12. This scale is the most widely used scale today by geologists. ☐ ☐ ☐

13. This scale is subjective and not very reliable because. ☐ ☐ ☐

it uses people’s observations of the earthquake.

14. This scale measures the earthquake’s strength. ☐ ☐ ☐

15. This scale measures the amount of energy released by ☐ ☐ ☐

by the earthquake.

16. This scale is only accurate for small, near-by earthquakes. ☐ ☐ ☐

17. This scale is accurate for all sizes and distances of earthquakes. ☐ ☐ ☐

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