

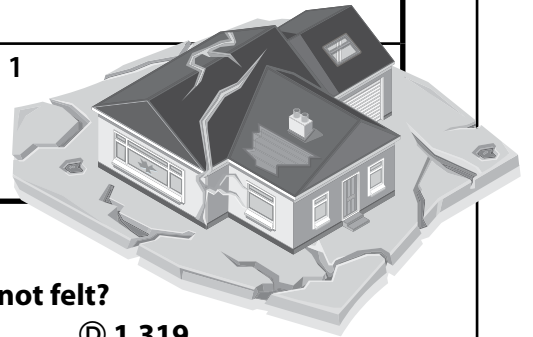
Name: _____

Movers and Shakers

The Richter (RIK-ter) Scale measures the strength of an earthquake. The stronger the earthquake, the higher the number on the Richter Scale. Use the Richter Scale below to answer the questions that follow.

Richter Scale Rating	Type of Damage	Estimated Number of Earthquakes per Year
2.0 to 2.9	Almost no damage; not usually felt but recorded.	1,300,000
3.0 to 3.9	Rarely causes damage, though often felt.	130,000
4.0 to 4.9	Shaking of indoor items; dishes broken.	13,000
5.0 to 5.9	Furniture broken, walls cracked.	1,319
6.0 to 6.9	Trees damaged; cracks in ground; houses damaged; underground pipes broken.	134
7.0 to 7.9	Some bridges destroyed; rails bent; landslides.	17
8.0 and above	Wide cracks in ground; large rocks moved; serious damage to areas across several thousand miles.	1

SOURCE: USGS



- About how many earthquakes occur each year, but are not felt?
 (A) 130,000 (B) 1,300,000 (C) 13,000 (D) 1,319
- About how many more earthquakes in the 3.0 to 3.9 range occur each year than earthquakes in the 4.0 to 4.9 range?
 (A) 17,000 (B) 117,000 (C) 1,430 (D) 143,000
- Which rating is least often given to an earthquake?
 (A) 2.0 to 2.9 (B) 7.0 to 7.9 (C) 5.0 to 5.9 (D) 8.0 and above
- If an earthquake were only strong enough to break dishes, which of these numbers might it measure on the Richter Scale?
 (A) 3.2 (B) 4.4 (C) 2.2 (D) 3.9