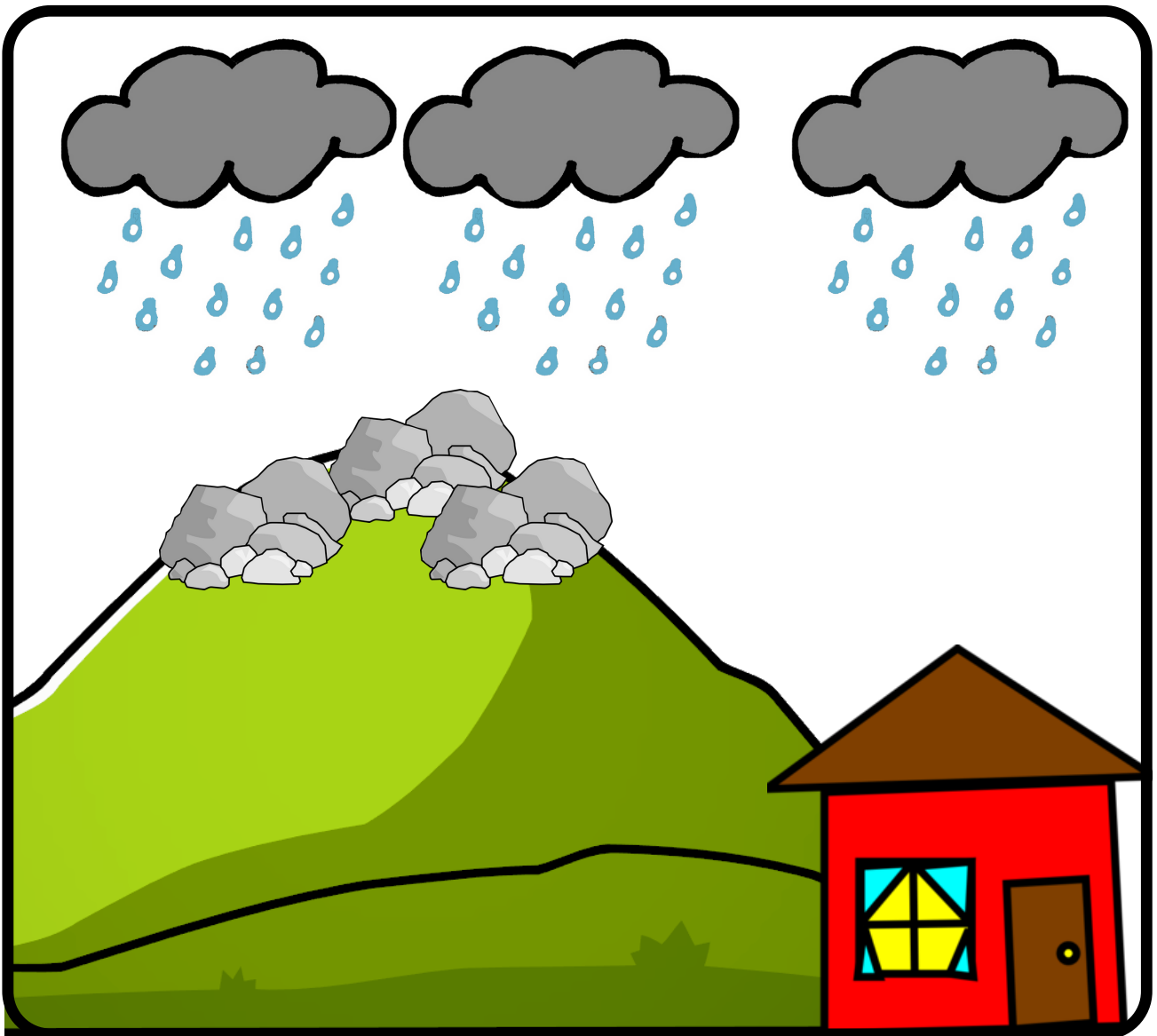


Name: _____

Landslide!

Erosion happens when wind, water or something else causes soil, rock, or land to move away.



A large amount of rain fell quickly on the hillside behind a house. As a result, some boulders, or large rocks, slid down the hill and into the backyard of the house. Draw arrows to show the path of the rain, and more arrows to show the path of the boulders.

Solve: After a thunderstorm, 4 houses had boulders erode into their backyards.

The first house had 6 boulders erode into their yard. The second house had 2 boulders erode into their yard. The third house had 6 boulders erode into their yard. The fourth house had 4 boulders erode into their yard.

Part A: For all four houses, how many boulders total will the cleanup crew need to load into the dumptruck?

Part B: The dumptruck that will haul the rocks away can hold up to 20 boulders. After the cleanup crew loads the truck, how many more rocks could they put in?



On another hill, 18 boulders sit on top. 14 boulders roll down during the storm. But, this hill has trees that stopped 6 of the boulders from reaching the very bottom.

Part A: How many boulders were left at the very top of the hill?

Part B: How many boulders reached the bottom of the hill?



On the next hill, there were 20 boulders. There are three houses, and more boulders erode into the yards. Each of the three houses ends up with 5 boulders.

Part A: How many boulders total were in the yards?

Part B: How many boulders are left on the hill?