

Mass and Weight

GLE 0807.12.4 Identify factors that influence the amount of gravitational force between objects.

GLE 0807.Inq.5 Communicate scientific understanding using descriptions, explanations, and models.



Armond makes pizzas at the local pizza parlor. He starts with a ball of pizza dough. He flattens it by hand. He then tosses the flattened dough until it is stretched into the shape of a large circle.

1. Which best describes what happens to the weight of the pizza dough after it is stretched out to make a pizza? Circle the best answer.
 - A. The weight of the dough increases after it is stretched out.
 - B. The weight of the dough decreases after it is stretched out.
 - C. The weight of the dough stays the same after it is stretched out.
2. Which best describes what happens to the mass of the pizza dough after it is stretched out to make a pizza? Circle the best answer.
 - A. The mass of the dough increases after it is stretched out.
 - B. The mass of the dough decreases after it is stretched out.
 - C. The mass of the dough stays the same after it is stretched out.
3. Explain your thinking. What rule or reasoning did you use to decide what happens to the weight and mass of the dough after it is stretched?