BENCHMARK SC.5.P.10.2

Reporting Category	Physical Science	
Standard	Big Idea 10	Forms of Energy
Benchmark	SC.5.P.10.2 Investigate and explain that energy has the ability to cause motion or create change. (Also assesses SC.3.P.10.2, SC.4.P.10.2, and SC.4.P.10.4.)	
Also Assesses	SC.3.P.10.2 Recognize that energy has the ability to cause motion or create change.	
	SC.4.P.10.2 to cause motio	Investigate and describe that energy has the ability on or create change.
	SC.4.P.10.4 energy and ca	Describe how moving water and air are sources of n be used to move things.
Benchmark Clarifications	Students will explain that energy has the ability to cause motion or create change.	
	Students will identify and/or describe examples where energy has caused motion or created changes.	
	Students will sources of energy	describe and/or explain how water and/or air are orgy.
Content Limit	Items will not assess sound and chemical energy.	
Stimulus Attributes	Comparative words such as <i>greater than</i> , <i>less than</i> , <i>faster</i> , or <i>slower</i> should be used when describing motion. Scenarios will not use weathering and/or erosion as a context.	
Response Attributes	None specified	
Prior Knowledge	Items may require the student to apply science knowledge described in the NGSSS from lower grades. This benchmark requires prerequisite knowledge from SC.K.P.10.1, SC.K.P.12.1, SC.1.P.12.1 and SC.K.P.13.1, SC.1.P.13.1, and SC.2.P.13.1.	

Sample Item 16 SC.4.P.10.2

Frank uses a bowling ball to demonstrate how energy can cause changes. Which of the following actions would NOT demonstrate a change caused by Frank applying energy to the ball?

- \star A. He holds the bowling ball in both hands.
 - **B.** He spins the bowling ball with one hand.
 - **C.** He rolls the bowling ball across the floor.
 - **D.** He lifts the bowling ball to place it on a shelf.