**Practice Test Questions (variables)**

**Scenario 1:**

**Wister Marren wants to know if birds are more attracted to bigger piles of food than smaller piles**, so he goes to the beach with a giant bag of hot cheetos. He puts **different amounts of hot cheetos in 3 separate piles** on the sand and **counts** **how many birds** visit each pile within 1 hour. He repeats this experiment 3 times at the same beach, at the same time each day.

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| Questions:  1. What is the independent variable?  2. What is the dependent variable?  3. What variable(s) are being controlled? | Answer Choices:   1. the beach he goes to 2. the time of day 3. the number of birds that visit 4. the kind of food 5. the amount of food in each pile |

**Scenario 2:**

**Wister Marren wants to know which beach attracts the most birds** so he goes to 3 different beaches with a giant bag of hot cheetos. He puts a pile of hot cheetos on the sand and counts how many birds visit within 1 hour. He repeats this experiment 3 times at each beach, at the same time of day. (Answer the same questions.)