Transported Particle Size Versus Water Velocity Worksheet

NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1.\_\_\_\_\_\_ What is the largest sediment that can be transported by a stream that has a velocity of 125 cm/sec?

(1) cobbles (2) pebbles (3) sand (4) clay

2.\_\_\_\_\_\_ The largest sediment particles that can be transported by a stream traveling at a velocity of 200 centimeters per second are

(1) boulders (2) cobbles (3) pebbles (4) sand

3.\_\_\_\_\_\_ A stream flowing at a velocity of 250 centimeters per second is transporting sediment particles ranging in size from clay to cobbles. Which transported particles will be deposited by the stream if its velocity decreases to 100 centimeters per second?

(1) cobbles, only (3) cobbles, pebbles, and some sand, only

(2) cobbles and some pebbles, only (4) cobbles, pebbles, sand, silt, and clay

4.\_\_\_\_\_\_ A stream with a velocity of 100 centimeters per second flows into a lake. Which sediment-size particles would the stream most likely deposit first as it enters the lake?

(1) boulders (2) cobbles (3) pebbles (4) sand