1. A river's velocity slows from 100 to 50 centimeters per second at a point in its channel. Which statement best describes the transport and deposition of particles at this point?
(A) Clay, silt, sand, pebbles, and smaller cobbles stay in transport; some cobbles are deposited.
(B) Clay, silt, and smaller sand stay in transport; some sand is deposited.
(C) Clay and smaller silt stay in transport; some silt is deposited.

2. 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 10 centimeters per second?
(A) cobbles, only
(B) cobbles and some pebbles, only
(C) cobbles, pebbles, and some sand, only
(D) cobbles, pebbles, sand, silt, and clay

3. The largest particles that a stream deposits as it enters a pond are 8 centimeters in diameter. The minimum velocity of the stream is approximately
(A) 100 cm/sec   (C) 300 cm/sec
(B) 200 cm/sec   (D) 400 cm/sec

4. A stream flowing at a velocity of 75 centimeters per second can transport
(A) clay, only
(B) pebbles, only
(C) pebbles, sand, silt, and clay, only
(D) boulders, cobbles, pebbles, sand, silt, and clay

5. The largest sediment particles that can be transported by a stream traveling at a velocity of 200 centimeters per second are
(A) boulders   (C) pebbles
(B) cobbles    (D) sand

6. What is the minimum stream velocity needed to maintain transport of a pebble that is 1 centimeter in diameter?
(A) 23 cm/sec   (C) 75 cm/sec
(B) 50 cm/sec   (D) 100 cm/sec

7. As water velocity of a stream increases from 25 to 225 centimeters per second, in which order will particles of different sizes begin to move?
(A) sand → pebbles → cobbles → boulders
(B) silt → sand → pebbles → cobbles
(C) cobbles → pebbles → sand → silt
(D) silt → pebbles → sand → cobbles

8. Which stream velocity would transport cobbles, but would not transport boulders?
(A) 50 cm/sec   (C) 200 cm/sec
(B) 100 cm/sec   (D) 400 cm/sec

9. Which rock particles will remain suspended in water for the longest time?
(A) pebbles   (C) silt
(B) sand    (D) clay

10. Which material would most likely be carried by a stream traveling at a rate of 1 centimeters per second?
(A) clay, only
(B) boulders, only
(C) sand, silt, and clay
(D) boulders, cobbles, and pebbles
1. B
2. B
3. B
4. C
5. B
6. B
7. B
8. C
9. D
10. C