

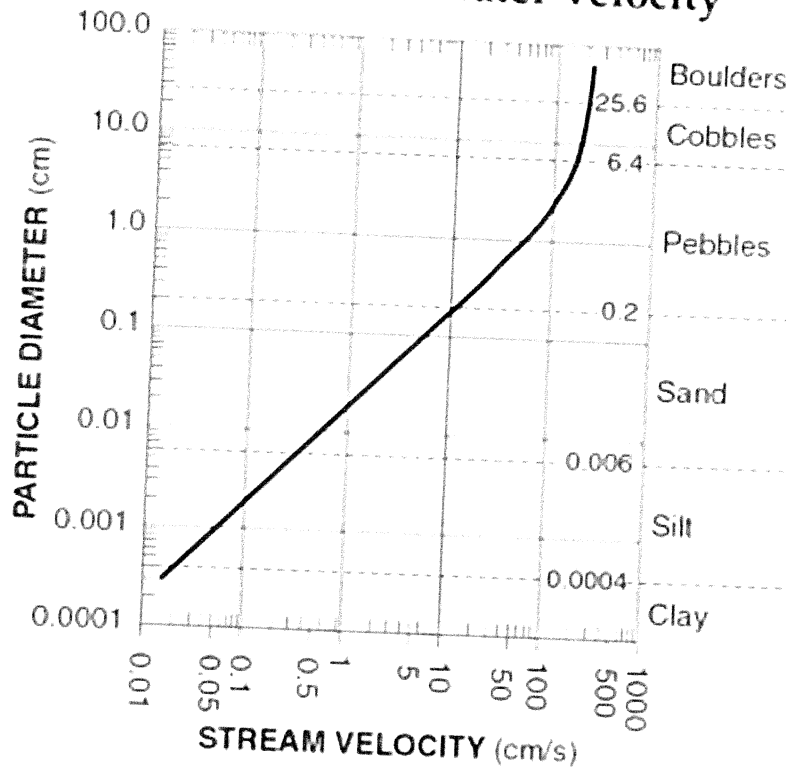
Name _____

Cipriano

Agents of Erosion and Their Erosional Features

Agent	Appearance of Sediment	Erosional Land Features
Running water (Streams and Rivers)		
Gravity		
Wind		
Waves		
Glaciers		

Relationship of Transported Particle Size to Water Velocity



This generalized graph shows the water velocity needed to maintain, but not start, movement. Variations occur due to differences in particle density and shape.

1. As Velocity Increases, Carrying Power (Increases or Decreases)? _____
2. As Slope Increases, Velocity (Increases or Decreases)? _____
3. As particles increase in diameter, Velocity needed to move them (Increases or Decreases)? _____
4. What type of relationship is shown above? _____
5. A Velocity of 100 cm/sec will move what type of particle? _____
6. A Velocity of 10 cm/sec will move what diameter particle? _____
7. A Velocity of 0.4cm/sec will move what diameter particle? _____
8. What particle has a diameter between 6.4cm-25.6cm? _____
9. What type of rock would be made from a particle diameter of 0.05cm? _____
10. What velocity is needed to move a particle that is 0.1cm in diameter? _____
11. What velocity is needed to move a particle that is 10cm in diameter? _____
12. What velocity is needed to move a particle that is 0.002cm in diameter? _____
13. What velocity is needed to move a particle that is 30cm in diameter? _____