

Name: _____ Date: _____

Quiz Answers

1. Name two things that can happen when light hits matter.
reflection
absorption
2. What do we call light that makes it past the matter?
transmitted light
3. What is one way that we can measure the amount of suspended solids in water using a light source and detector?
turbidity measurements
4. What are the two types of suspended solids in water, and what is the difference?
settling and non-settling solids
Settling solids are larger than non-settling solids.
5. What is it called when a material is microscopically suspended in another material?
a colloid
6. Why are materials microscopically suspended in water difficult to remove?
They are very small and usually have a negative surface charge.
7. What is a flocculant?
A flocculant is a chemical that can be added to water to remove non-settling solids.
8. Name two ways can we speed up the time it takes flocculants to work?
By increasing the amount of kinetic energy in a solution, which might be by adding mechanical kinetic energy (through stirring) or heat kinetic energy (through heating)