

Chapter 2: Properties of Matter (14 days)

Objective	Time	Met Objective / Questions / etc.
Classify substances as elements or compounds	Day 1	
Describe characteristics of elements	“	
Describe characteristics of compounds	“	
Distinguish pure substances from mixtures	Day 2	
Separate pure substances out of a mixture	Day 3 - 5	
Describe methods used to separate mixtures	“	
Identify and classify mixtures as either homogeneous or heterogeneous	“	
Identify and classify mixtures as solutions, suspensions, or colloids	“	
	Day 6 (quiz)	
Describe physical and chemical properties	Day 6 - 9	
Compare and	“	

contrast physical and chemical properties		
Identify substances based on physical properties	“	
Identify properties, or changes in properties, that indicate a physical/ chemical change has taken place	“	
Determine density experimentally	Day 10 -12	
Determine density given numerical values of variables	“	
Determine and explain percent error	“	
	Day 13 or 14 (test)	

Labs/ demos:

1. “Silver/Gold” penny (Brass is not an element or compound demo)
2. Foul water lab (coffee, oil, salt, dirt)
3. Smoke in a can (colloid?)
4. Crime scene lab (variables and physical/chemical properties)
5. Physical/chemical properties/changes inquiry (does mass change?)
6. **Density lab (tested on in lab practical portion of semester exam)**

Formally graded assessments:

1. Quiz = 10
2. Castle 1 = 5
3. Castle 2 = 5
4. Test = 50
5. Density worksheet = 5
6. Density Lab = 20

7. Participation = 5