Grade 7 Midterm Assessment Review

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These Key Concepts can be found at the beginning of each section in your textbook.

PHYSICAL SCIENCE

1. What kinds of properties are used to describe matter?
2. What are elements, and how do they relate to compounds?
3. What are the properties of a mixture?
4. What is the difference between weight and mass?
5. What units are used to express the amount of space occupied by matter?
6. How is the density of a material determined?
7. What is a physical change?
8. What is a chemical change?
9. How are changes in matter related to changes in energy?
10. What are some forms of energy that are related to changes in matter?
11. How is chemical energy related to chemical change?
12. What are the characteristics of a solid?
13. What are the characteristics of a liquid?
14. What are the characteristics of a gas?
15. What happens to a substance during changes between solid and liquid?
16. What happens to a substance during changes between liquid and gas?
17. What happens to a substance during changes between solid and gas?
18. What is the structure of an atom?
19. How are elements described in terms of their atoms?
20. Why are models useful for understanding atoms?

VOCABULARY

matter	Ch.	1.1	physical change	Ch.	1.3	melting	Ch.	2.2
chemistry	Ch.	1.1	chemical change	Ch.	1.3	melting point	Ch.	2.2
substance	Ch.	1.1	law of conservation of mass	Ch.	1.3	freezing	Ch.	2.2
physical property	Ch.	1.1	energy	Ch.	1.3	vaporization	Ch.	2.2
chemical property	Ch.	1.1	temperature	Ch.	1.3	evaporation	Ch.	2.2
element	Ch.	1.1	thermal energy	Ch.	1.3	boiling	Ch.	2.2
atom	Ch.	1.1	endothermic change	Ch.	1.3	boiling point	Ch.	2.2
chemical bond	Ch.	1.1	exothermic change	Ch.	1.3	condensation	Ch.	2.2
molecule	Ch.	1.1	kinetic energy	Ch.	1.4	sublimation	Ch.	2.2
compound	Ch.	1.1	potential energy	Ch.	1.4	nucleus	Ch.	3.1
chemical formula	Ch.	1.1	chemical energy	Ch.	1.4	proton	Ch.	3.1
mixture	Ch.	1.1	electromagnetic energy	Ch.	1.4	neutron	Ch.	3.1
heterogeneous mixture	Ch.	1.1	electrical energy	Ch.	1.4	electron	Ch.	3.1
homogeneous mixture	Ch.	1.1	electrode	Ch.	1.4	atomic number	Ch.	3.1
solution	Ch.	1.1	solid	Ch.	2.1	isotope	Ch.	3.1
weight	Ch.	1.2	crystalline solid	Ch.	2.1	mass number	Ch.	3.1
mass	Ch.	1.2	amorphous solid	Ch.	2.1	model	Ch.	3.1
International System of Units	Ch.	1.2	liquid	Ch.	2.1	atomic mass	Ch.	3.2
volume	Ch.	1.2	fluid	Ch.	2.1	periodic table	Ch.	3.2
density	Ch.	1.2	surface tension	Ch.	2.1	chemical symbol	Ch.	3.2
			viscosity	Ch.	2.1	period	Ch.	3.2
			gas	Ch.	2.1	group	Ch.	3.2