



Grade 6: Chapter 4 Test – Classification of Matter/Substances & Mixtures

Student Name		Class		Date	
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MULTIPLE CHOICE QUESTIONS:

1	Which is an example of matter?	
	A	Heat
	B	Sound
	C	Electricity
D	Oil	

2	Gravity is a form of matter.	
	A	True
B	False	

3	Which is not a form of matter?	
	A	magnetism
	B	air
	C	water
D	wind	

4	Different kinds of _____ combine with each other to form different types of matter.	
	A	Heat
	B	Light
	C	Sound
D	Atoms	

5	Which of the following can NOT be used to separate heterogeneous mixtures?	
	A	Stove
	B	magnet
	C	scoop
D	strainer	



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6	_____ is matter with a composition that is always the same.	
	A	Atoms
	B	Substance
	C	Mass
	D	Weight

7	Which is a type of substance	
	A	Silver
	B	Sand
	C	Paper
	D	Battery

8	Elements consist of _____ type of atom.	
	A	Four
	B	Two
	C	One
	D	Three

9	A mixture can vary in composition.	
	A	True
	B	False

10	Table salt is a compound of sodium and _____.	
	A	hydrogen
	B	oxygen
	C	nitrogen
	D	chlorine



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EXTENDED RESPONSE QUESTIONS:

11	Why do we consider gold to be a substance?	marks:	/3
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12	Why is water a compound?	marks:	/3
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13	Explain why a bowl of mixed nuts is considered a heterogeneous mixture.	marks:	/3
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14	Give two examples of different types of mixtures.	marks:	/3
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15	How is a compound different from a mixture?	marks:	/3
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MULTIPLE CHOICE SECTION:	/10
EXTENDED RESPONSE SECTION:	/15
TOTAL MARKS:	/25
PERCENT:	%

Grade		Lesson(s)	
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Answer Key

MULTIPLE CHOICE QUESTIONS:

Q1	D
Q2	B
Q3	A
Q4	D
Q5	A
Q6	B
Q7	A
Q8	C
Q9	A
Q10	D

EXTENDED RESPONSE QUESTIONS:

Q11	Ans: Because Gold is matter with a composition that is always the same.	
	3 Marks: Mentions 3 of the following – Gold (the object); matter with a composition; always the same	2 Marks: Mentions 2 of the following – Gold (the object); matter with a composition; always the same 1 Mark: Mentions 1 of the following – Gold (the object); matter with a composition; always the same
Q12	Ans: It is made up of two or more elements, chemically bonded, Hydrogen and Oxygen.	
	3 Marks: Mentions 3 of the following – made up of two or more elements; chemically bonded; hydrogen and oxygen	2 Marks: Mentions 2 of the following – made up of two or more elements; chemically bonded; hydrogen and oxygen 1 Mark: Mentions 1 of the following – made up of two or more elements; chemically bonded; hydrogen and oxygen
Q13	Ans: Because a heterogeneous mixture is a mixture in which the substances are not evenly mixed. Samples taken from the mixture might have different amounts of individual substances.	
	3 Marks: Mentions 3 of the following – Substances; not evenly mixed; samples taken might have different amounts of individual substances.	2 Marks: Mentions 2 of the following – Substances; not evenly mixed; samples taken might have



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		<p>different amounts of individual substances.</p> <p>1 Mark: Mentions 1 of the following – Substances; not evenly mixed; samples taken might have different amounts of individual substances.</p>
Q14	<p>Ans: Heterogeneous mixture; homogeneous mixture; homogeneous mixtures are evenly mixed physically blended; not chemically bonded together; heterogeneous mixtures are unevenly mixed.</p>	
	<p>3 Marks: Mentions 3 of the following - Heterogeneous mixture; homogeneous mixture; homogeneous mixtures are evenly mixed physically blended; not chemically bonded together; heterogeneous mixtures are unevenly mixed.</p>	<p>2 Marks: Mentions 2 of the following - Heterogeneous mixture; homogeneous mixture; homogeneous mixtures are evenly mixed physically blended; not chemically bonded together; heterogeneous mixtures are unevenly mixed.</p> <p>1 Mark: Mentions 1 of the following - Heterogeneous mixture; homogeneous mixture; homogeneous mixtures are evenly mixed physically blended; not chemically bonded together; heterogeneous mixtures are unevenly mixed.</p>
Q15	<p>Ans: A Compound is a substance that made of two or more elements that are chemically joined in a specific combination, while a Mixture is matter that can vary in composition.</p> <p>3 Marks: Mentions 3 of the following – Compound is a substance made of two or more elements; compounds are chemically joined; specific combination; matter varies in composition</p> <p>2 Marks: Mentions 2 of the following – Compound is a substance made of two or more elements; compounds are chemically joined; specific combination; matter varies in composition</p> <p>1 Mark: Mentions 1 of the following – Compound is a substance made of two or more elements; compounds are chemically joined; specific combination; matter varies in composition</p>	