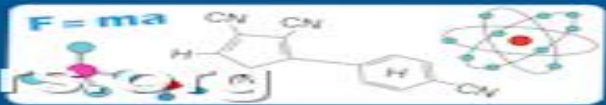


Dec. 5, 2019

1. Sharpen Pencil
2. Sit in assigned seat
3. Login to Google Classroom
4. Click on Classwork
5. Scroll to 6.5
6. Click on "Elements/Compounds Review Games"
7. Pick 1 and review



Lumberjacks! It's time to vote for your favorite teacher
of the month.

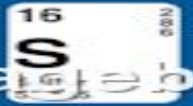
Select your favorite teacher and share your *why*.

The results will be posted in the December edition of
The Syndicate.

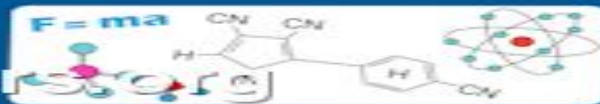
TEK 6.5

6.(5) Matter and energy. The student knows the differences between elements and compounds. The student is expected to:

- (A) know that an element is a pure substance represented by a chemical symbol and that a compound is a pure substance represented by a chemical formula;
- (B) recognize that a limited number of the many known elements comprise the largest portion of solid Earth, living matter, oceans, and the atmosphere; and
- (C) identify the formation of a new substance by using the evidence of a possible chemical change such as production of a gas, change in temperature, production of a precipitate, or color change.

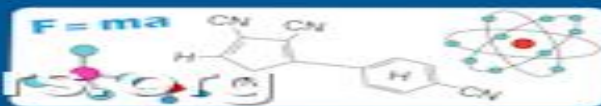


LO Students will apply knowledge over Elements and Compounds /TEK 6.5 to complete a fall semester review.



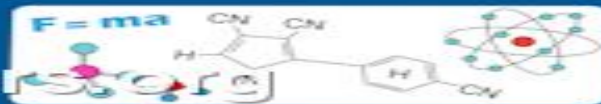
DOL

Students will complete 9/9 questions over Elements and Compounds/TEK 6.5 with 80% accuracy or higher.



Agenda

1. PDN
2. Finish Kahoot (BEHAVIOR ALLOWING) TEK 6.5
3. Use Kahoot (Behavior Allowing) or Textbook to complete "Kahoot Questions" in TEK 6.5 Review Packet
4. Multiple Choice Questions if Finish Kahoot (DOL Questions)
5. DOL (See #5 Above)



Fall Semester Final Exam Review TEK 6.5A,B,C

Kahoot: <https://create.kahoot.it/share/tek-6-5-fall-semester-final-exam-review/ab02a080-aca6-4406-9041-a1e28757d221>
<https://create.kahoot.it/share/6th-tek-6-5c-elements-and-compounds-review/31789a64-2cf2-417f-9026-fd82ffb90eb8>

Quizlet: <https://quizlet.com/151748193/tek-65-a-b-elements-and-compounds-flash-cards/>

Gateway: <https://www.texasgateway.org/resource/matter-and-energy-elements-versus-compounds>

Kahoot Directions: Fill in the correct answers for each question below as you follow along/play the game.

TEK 6.5 Fall Semester Final Exam Review

1. A student puts baking soda into a cup of vinegar. A chemical change took place because
2. Which answer Choice is an element?
3. Which answer choice below is a compound?
4. Two or more elements chemically combined form a
5. Which element that humans need is found in large amounts in the atmosphere and oceans?
6. 2 or more atoms of the same type chemically combined are...
7. Which example below represents a chemical reaction has taken place?
8. 2 clear liquids are mixed together, a red substance is produced. What evidence proves a chemical reaction has taken place?
9. Which process represents a chemical change?
10. What type of substance is always made up of a single type of atom?
11. A chemical Change is...
12. Which of the following is the symbol for chlorine?

13. What is a substance where all molecules are the same called?
14. What is a 1,2, or 3-lettered abbreviation of the name of an element called?
15. What is the ability of a substance to interact with another substance to form a new substance?

6th TEK 6.5C Elements and Compounds Review!

1. Which one is an element?
2. Which of these is a compound?
3. Element or compound?
4. Element or compound? "A substance that cannot be broken down into simpler substances"
5. Which one of these is a compound?
6. How many elements are in this compound?
7. How many elements are in this compound?
8. Which one of these is an element?
9. Which of these compounds has 3 elements in it?
10. Element or compound?
11. How many elements are present in this compound?
12. Which one of these is an element?
13. Which of these compounds has 3 elements?
14. Element or compound?
15. Element or compound?
16. Element or Compound?

Task Card Questions:

1. The diagram below represents two atoms in a molecule of oxygen that combine chemically with one atom of carbon to form a carbon dioxide molecule



Carbon Dioxide is an example of a _____.

- ~~A: mixture~~
- ~~B: solution~~
- ~~C: element~~
- D: compound

2. Which element, that is essential for human life, is found in large amounts in both Earth's atmosphere and oceans?

- ~~a. Helim~~
- ~~b. Chlorine~~
- c. Oxygen
- ~~d. Calcium~~

Oxygen

3. The table below show several minerals found on Earth

Mineral	Chemical Composition
Quartz	SiO ₂ Compound
Graphite	C Element
Calcite	CaCo ₃ Compound
Hematite	Fe ₂ O ₃ Compound

Based on the information in the table, which mineral is also classified as an element?

~~A: quartz~~

~~C: Calcite~~

 B: Graphite

~~D: Hematite~~

evidence of Chemical Reaction

4. A thin ribbon of magnesium (Mg) metal burns in the air creating a very bright light. When it is finished burning, there is only a powdery white substance in its place. Which of the following statements best explains the presence of the white powder?

 A: the white powder was the magnesium (Mg) metal changing into a different element

~~B: the white powder atoms originally came from the atmosphere~~

~~C: the white powder is a combination of magnesium (Mg) and something in the air.~~

~~D: none of the above~~

5. During a science class experiment, a teacher placed a small amount of sodium metal in 20 ml of water. Which of the following would be the best evidence that a chemical change has taken place?

~~A: the sodium stayed on the surface of the water~~ **No Change**

? B: a gas was given off **Evidence / Bubbles**

~~C: the sodium appears smaller~~ **No Chemical Change**

~~D: the liquid remains colorless~~ **No Change**

6. An element is a pure substance represented by a chemical symbol. Which of the following represents an element? **1 Capital = 1 Element**

? A: H

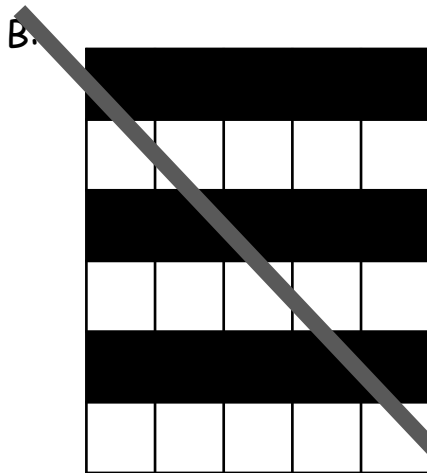
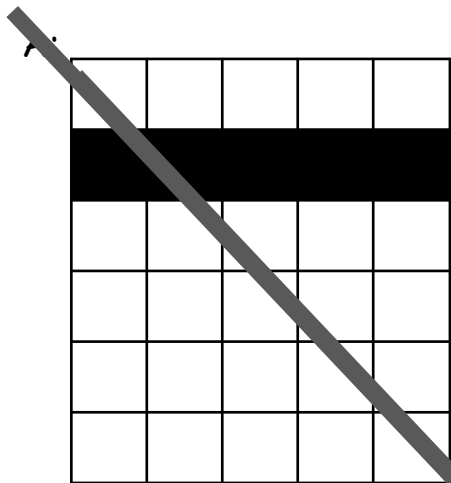
~~B: H₂O~~

~~C: CO₂~~

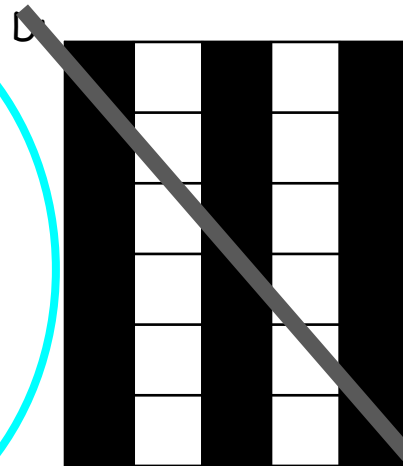
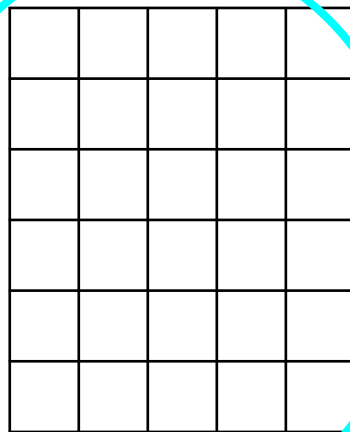
~~D: NaCl~~

7. To explain the difference between elements and compounds, a teacher filled clear boxes with spheres. Which box best represents a sample of an element?

All the Same



?



8. Some students are using samples of different substances for a lab investigation. They plan to observe the physical properties of each substance and record their observations in a table similar to the one below

Sample	Substance	Observation
1	Al	Element
2	NaCl	Compound
3	O ₂	Element
4	CaCO ₃	Compound
5	Mg	Element
6	Ca	Element
7	SiO ₂	Compound

Which of the substances observed are compounds?

~~A: Al, O₂, Mg, Ca~~

B: NaCl, CaCO₃, SiO₂ ?

~~C: NaCl, O₂, Ca~~

~~D: O₂, Mg, Ca, SiO₂~~

Nitrogen / Oxygen / Carbon Dioxide

9. What are the major components of Earth's atmosphere?

~~A: carbon dioxide (CO_2), silicon dioxide (SiO_2) and water (H_2O)~~

B: nitrogen (N_2), oxygen (O_2), and carbon dioxide (CO_2) ?

~~C: water (H_2O), and sodium chloride (NaCl)~~

~~D: Silicon dioxide (SiO_2), and calcium carbonate (CaCO_3)~~

If Finish Early:

Flash Card Race / Elements and
Compounds

Assist with Vocabulary.