

Thank you for your interest.

Here is your sample test made with

STAAR Test Maker

By **Progress Testing**

About the Sample Test

- All items written to assess mastery of STAAR-eligible TEKS
- Items coded with TEKS, Readiness and Supporting Standards, Process Skill, Webb Cognitive Complexity Levels
- All STAAR Item Types included: Multiple Choice, Gridded Response, Constructed Response, and Thousands of High Complexity Items
- Items formatted to match official STAAR tests



Share with Your Colleagues



Forward this test to other Faculty Members: Teachers, Principals, Testing Coordinators, Curriculum and Assessment Directors



Questions, comments, or ideas? Follow us @STAARTestMaker and @ProgressTesting.

Progress Testing

4140 NW 27th Lane, Suite G
Gainesville, FL 32606

Call Us
Phone: 800-930-TEST
Fax: 352-336-3782

Jon Smith, Sales
jsmith@ProgressTesting.com

Sean Howard, Sales
showard@ProgressTesting.com

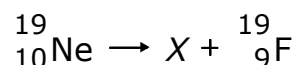
1 Expectation: C.5(B)

Halogens exist in elemental form as diatomic molecules. Which of the following best explains this property of halogens?

- A** Atoms with many electrons in their valence shells are attracted to each other by strong electrostatic forces.
- B** Halogen atoms form both monovalent cations and anions that are attracted to each other.
- C** The *d*-orbitals of halogen atoms transform into lower-energy *p*-orbitals when they form bonds.
- D** Halogen atoms can fill their valence shells by forming covalent bonds with each other.

2 Expectation: C.12(B)

Given the nuclear equation:

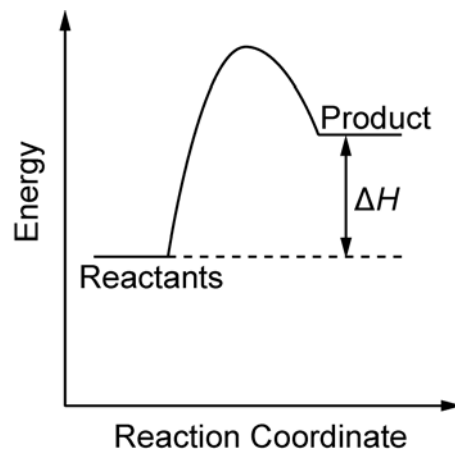


What particle is represented by *X*?

- F** Beta
- G** Positron
- H** Neutron
- J** Alpha

3 Expectation: C.11(A)

The reaction coordinate of a synthesis reaction is shown below.



What kind of energy is represented by the change in enthalpy ΔH ?

- A** Chemical energy in the bonds formed by the reaction
- B** Potential energy in the bonds broken during the reaction
- C** Thermal energy released by the reactants during the reaction
- D** Kinetic energy in the product after the reaction

4 Expectation: C.7(D)

The description of metallic bonding below was found in a chemistry textbook.

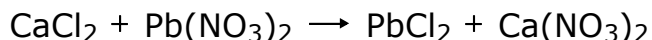
The more delocalized electrons that are involved in a metallic bond, the stronger the bond is. This is because the positive nuclei have a stronger attraction to the negatively charged sea of electrons in the metallic bond.

Which of the following properties of metals is best explained by this description of metallic bonding?

- F** High melting point
- G** Reactivity with acids
- H** Metallic luster
- J** Thermal conductivity

5 Expectation: C.10(H)

The following reaction takes place in an aqueous solution.



This reaction proceeds to completion because the reverse reaction is prevented by —

- A** the insolubility of PbCl_2 .
- B** the low temperature of the solution.
- C** an excess of CaCl_2 solution.
- D** an excess of $\text{Pb}(\text{NO}_3)_2$ solution.

6 Expectation: C.6(C)

Medium-wave AM radio is broadcast on the frequency band from 520. kHz to 1610 kHz. What is the maximum wavelength of a medium-wave AM radio wave?

- F** 1.73 mm
- G** 5.37 mm
- H** 186 m
- J** 577 m

7 Expectation: C.7(C)

Which electron dot formula correctly represents the covalent compound boron trichloride, BCl₃?

- A**

```

      :Cl:
      |
:Cl::B::Cl:
      |
      :Cl:
          
```

C

```

      :Cl:
      |
:Cl::B::Cl:
      |
      :Cl:
          
```
- B**

```

      :Cl:
      |
:Cl::B::Cl:
      |
      :Cl:
          
```

D

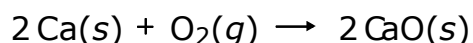
```

      :Cl:
      |
:Cl::B::Cl:
      |
      :Cl:
          
```

8 Expectation: C.8(E)

Read the information below.

A 4.86-gram sample of calcium reacted completely with oxygen to form 6.80 grams of calcium oxide. This reaction is represented by the balanced equation below.



What is the total mass, in grams, of oxygen that reacted?

Record your answer and fill in the bubbles on your answer document. Express your answer to the correct number of significant figures.

1	.	9	4	
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Chemistry EOC Test made with STAAR Test Maker 1-800-930-TEST

Item Number	Reporting Category	Readiness or Supporting	Content Student Expectation	Process Student Expectation	Correct Answer
1	1	Readiness	C.5(B)	C.3 (A)	D
2	2	Readiness	C.12(B)		G
3	4	Supporting	C.11(A)	C.2 (H)	A
4	3	Supporting	C.7(D)	C.3 (A)	F
5	5	Readiness	C.10(H)		A
6	2	Supporting	C.6(C)	C.2 (G)	J
7	3	Readiness	C.7(C)		C
8	3	Supporting	C.8(E)	C.2 (G)	1.94

STAAR Test Maker

Schedule a Webinar to learn more.

- Preview our database of 40,000+ test items.
 - Groups of any size; phone and Internet connection required.



STAAR Test Maker is available in two versions:

Item Bank Version

\$2.50/Student (One-Year Subscription)

eduphoria! SchoolObjects:aware™

STAAR Test Maker item banks integrated with eduphoria!

Predictive

Test items are written to assess mastery of STAAR-eligible TEKS.

Convenient

Formative assessment data in a seamless, web-based package.

Software Version

\$2,495 (One-Time Purchase)

Elementary School Edition

Unlimited site license for Grades 3-5 Reading and Math, Grade 4 Writing, and Grade 5 Science, including transadapted Spanish.

Middle School Edition

Unlimited site license for Grades 6-8 Reading and Math, Grade 7 Writing, and Grade 8 Science and Social Studies.

High School Edition

Unlimited site license for all EOCs: Algebra I-II, Geometry, ELA I-III, Biology, Chemistry, Physics, World Geography, World History, U.S. History.

(Third-Year banks released Spring 2013).



Jonathan Smith, Sales
JSmith@ProgressTesting.com



Sean Howard, Sales
SHoward@ProgressTesting.com