

Blank exam correction template (1 page version)

Student name:

Good example of test correction

Clicker #:

Directions: Print out a copy of this page for each question that you got wrong on the exam. Then complete the page by following the 7 steps described on the *Exam correction worksheet*.

Part I: Find a similar type of problem to work on.

Step 1: What problem are you correcting? Exam # 3, Question # 1.

Step 2: What type of problem is this? It is a conceptual type of problem regarding the properties of acids and bases.

Step 3: What page in the textbook is this type of problem dealt with?

On page 223, chapter 7.8 under Acid-Base & Gas Evolution Reactions.

What date in your lecture notes is this type of problem dealt with?

On date November 18, 2011.

Step 4: Write out a similar problem and all the work needed to answer it.

Which of the following statements is false?

A) Acids taste sour & can dissolve some metals.

B) Lemons, limes, and vinegars contain acids.

C) Bases taste bitter and feel slippery.

D) Acids generate  $H^+$  ions when added to water.

E) Neutralization reactions generally form water and salt.

F)  $HClO_4(aq)$  is called chloric acid.

G) Bases generate  $OH^-$  ions when added to water.

Answer: F is false because  $ClO_4^-$  is called perchlorate not just chlorate, so it will become perchloric acid.

The student found a similar problem. The student analyzed the correct answer to make sure they understand why it is correct.

Part II: Now you are ready to correct your exam problem.

Step 5: Write out the question that you got wrong.

Which of the following statements is False?

A) Acids taste sour and can dissolve some metals.

B) Bases taste bitter and feel slippery.

C) Acids generate  $H^+$  ions when added to water.

D) Bases generate  $OH^-$  ions when added to water.

Step 6: Write out the answer to the question you got wrong.

F) Acid-Base Neutralization reactions form salt.

I put E originally because I incorrectly named  $HClO_4$  as chloric acid. E is correct as perchloric acid. F is false because an acid-base neutralization produces  $H_2O$  and a salt not a gas.

E)  $HClO_4(aq)$  is called perchloric acid.

F) Acid-base neutralization reactions generally form a gas and

The student not only explained why the correct answer was correct, but explained why the answer they picked was incorrect.

Step 7: Explain why you think you got this problem wrong. Some possibilities include:

☒ Careless mistakes

☐ Difficulty with the mathematics

☐ Did not understand the concept

☐ Not enough time on the exam

☐ Unfamiliar with the terms and/or formulae

☐ Unfamiliar with the nomenclature

☐ Did not study enough

☐ Difficulty applying the concept to new contexts

☒ Other: I read the options too fast and overlooked answer F.