Name _____ Class _____ Date _____

SECTION 7-2 REVIEW

AEROBIC RESPIRATION

VOCABULARY REVIEW Define the following terms.

1. aerobic respiration _____

2. mitochondrial matrix _____

3. Krebs cycle _____

4. FAD _____

MULTIPLE CHOICE Write the correct letter in the blank.

_____ **1.** The breakdown product of glucose that diffuses into the mitochondrial matrix for further breakdown is

a. acetyl CoA. **b.** pyruvic acid. **c.** oxaloacetic acid. **d.** citric acid.

_____ **2.** The starting substance of the Krebs cycle, which is regenerated at the end of the cycle, is

a. acetyl CoA. **b.** pyruvic acid. **c.** oxaloacetic acid. **d.** citric acid.

_____ **3.** The Krebs cycle

a. breaks down a two-carbon molecule into two molecules of CO_2.
b. produces a six-carbon molecule from six molecules of CO_2.
c. produces NAD^+ from NADH and H^+.
d. generates most of the ATP produced in aerobic respiration.

_____ **4.** The electron transport chain of aerobic respiration

a. generates O_2 from H_2O.
b. produces NADH by chemiosmosis.
c. pumps electrons into the mitochondrial matrix.
d. pumps protons into the space between the inner and outer mitochondrial membranes.

_____ **5.** The maximum efficiency of aerobic respiration is approximately

a. 0.66%. **b.** 6.6%. **c.** 66%. **d.** 660%.

HRW material copyrighted under notice appearing earlier in this work.