

Quiz 6.1 – Energy

Name: Key

Question 1 (1 points)

Name 2 types of energy (there are many to choose from)

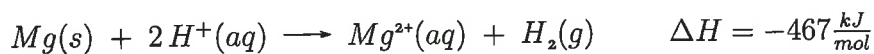
Chemical potential energy (bonds)

kinetic energy

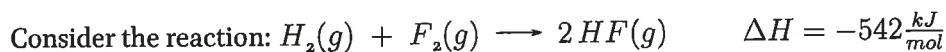
etc.

Question 2 (2 points)

Consider the following reaction:

Predict the sign (+ or -) for both q and w for this reaction- q (heat released to surroundings)- w (gas product expands and does work on surroundings)

Question 3 (2 points)

Is this reaction *exothermic* or *endothermic*?

exothermic

If I carry this reaction out, will I observe an increase or decrease in the temperature?

increase (warm to touch)