

CHEM 36
General Chemistry
Quiz #3

February 8, 2002

Name: _____

1. Is the melting of ice an exothermic or endothermic process? *Briefly explain.*

2. Is the entropy change associated with the melting of ice positive or negative? *Briefly explain.*

3. Why is the melting of ice a spontaneous process at 37°F (the expected high temperature for today!), but is not spontaneous at 7°F (tonight's expected low temperature)? Your explanation should be based on thermodynamic terms (e.g., enthalpy, entropy, etc.).