

Quiz 3.2 – Spontaneity

Name: _____

A Reversible Process

An isobaric phase change at the phase change temperature is a great simple example of

A Spontaneous Process**A Non-Spontaneous Process****Conditions for spontaneity**

In class we saw how ΔH and ΔS can determine the conditions under which a reaction will be spontaneous. However, that discussion only applied to isobaric processes. Fill out the table below to indicate the conditions under which isochoric processes are spontaneous

		ΔS	
		+	−
ΔU	+		
	−		

People burn the beanstalk to boil beans,
filtering them to extract juice.
The beanstalks were burnt under the cauldron,
and the beans in the cauldron wailed:
“We were originally grown from the same root;
Why should we hound each other to death with such impatience?”