Name _	
Honors	Physics
Period _	

Date ____

Thermodynamics WS #1H Mrs. Nadworny

Temperature

Directions: Read online textbook pages 360 – 363 and 371 - 375. Solve the following problems using the GUESS method and proper significant figures. Be sure to show ALL work.

1. What is the difference between 15 °C and 6 °C, expressed in Kelvin?

	(A) 9 K	(B) 15 K	(C) 273 K	(D) 282 K
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- 2. The lowest outdoor temperature ever recorded on Earth is -128.6 ^oF, recorded at Vostok Station, Antarctica, in 1983.
 - a. Convert this temperature to Celsius.

b. Convert this temperature to Kelvin.

- 3. The highest outdoor temperature ever recorded on Earth is 56.7 °C, recorded Death Valley, CA, in 1913.
 - a. Convert this temperature to Fahrenheit.

b. Convert this temperature to Kelvin.