

Name: _____

Block: _____

Date: _____

AWM10

Ch. 4.1A Assignment

Assignment

1. Convert the following temperatures to degrees Celsius:

a) -20°F

d) 2°F

b) 80°F

e) 0°F

c) 375°F

f) -2°F

2. Some of the tiles on the outside of a space shuttle are able to withstand temperatures of 2300°F . What is this in degrees Celsius?

3. When the human body reaches a temperature of 41°F , it is said to be in a state of "medical emergency." What is this temperature in degrees Celsius?

4. When Harry mixes different materials to pave a road, he knows they must be kept at the following temperatures in degrees Fahrenheit. Calculate the temperatures in degrees Celsius.

a) Bituminous material must be between 200°F and 260°F .

b) Water solution must be between 65°F and 100°F .

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Ch. 4.1B Assignment

Assignment

1. Convert the following temperatures to degrees Fahrenheit:

a) 35°C

d) 21°C

b) -8°C

e) -40°C

c) 165°C

f) 202°C

2. In 1992, the temperature in Pincher Creek, Alberta, rose from -19°C to 22°C in just one hour due to a chinook wind. What were these temperatures in degrees Fahrenheit?

3. On May 26, 1991, Mount Logan, YT, recorded the coldest temperature outside of Antarctica at -41.1°C . What is this temperature in degrees Fahrenheit?

4. Which is hotter: a blowtorch flame at 1300°C or a candle flame at 1830°F ? By how much is one flame hotter than the other in each scale?