

Science - 2017

HW tonight Ch 7, 4 (p 206 - 209)

p. 207 (para 1)

thermometer - tool used to measure temp.

* most use liquid sealed in glass tube

→ heat = expand

→ cools = contracts

→ liquid is calibrated to show exact temp.

→ degrees °F (customary)

°C (metric) based on 10s

why: 0°C = freezing pt - water

100°C = boiling pt - water

Measurements of thermometers =

°F = 32°F = freezing = 0°C

°F = 212°F = boiling = 100°C

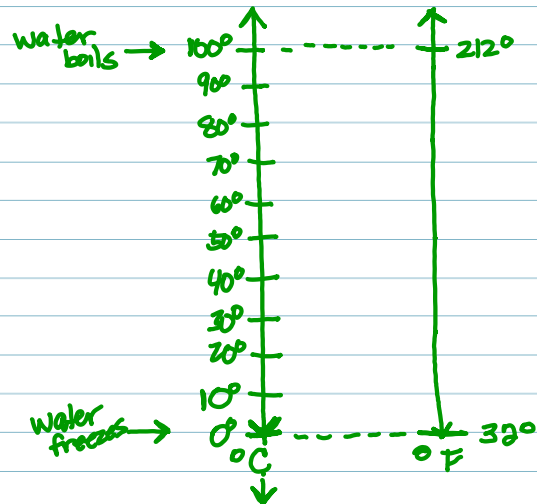
} water

°C to °F
double + add 30

$$\frac{°C}{°F} = \frac{\text{range } 100}{\text{range } 180} = \frac{5}{9}$$

$$105°F = 41°C$$

$$3°C = 37°F$$



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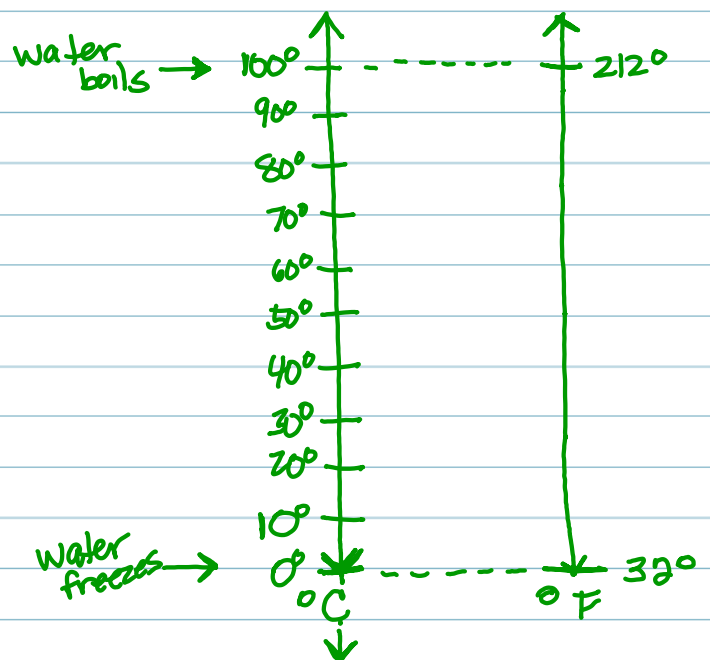
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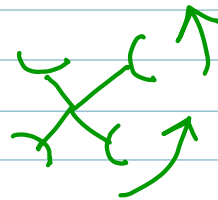


barometer- tool used to measure air pressure
→ uses mercury to measure how much pressure is being pushed on tube.

* Mercury is rising → fair weather
Mercury is falling → active weather
"air pressure"

wind direction - windssock } Which way its
wind vane } turning

wind speed - p.207 (last para.)
anemometer



- Why?
- danger from high winds
 - direction → fronts (active weather)
 - speed could inform about kind of active weather
 - direction affects temps

fast they
turn = speed

WEATHERCAST

- ① Gretchen, Brianna, Kiana
- ② Ahmed, Mose, Mac
- ③ James, Edwin, Caleb
- ④ Francesco, John, Gabe
- ⑤ Ava, Erin, Graham

- ⑥ Ben, JaVaughn, Reese
- ⑦ Lilli, Martha, Virginia
- ⑧ Fiona, Trip, Veronica
- ⑨ Rachel, Vivian, Cortex

weathercast_