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**1. Convert (use *scientific notation* where appropriate):**

A) 130 pounds to kilograms

B)  $-35^{\circ}\text{C}$  to  $^{\circ}\text{F}$  and K

C) 5 microliters to gallons

D) 25 feet to centimeters

**2. The world's tallest living tree, a *coast redwood* named Hyperion, measures about 116 m in height. By how many orders of magnitude bigger (or smaller) is it than the following:**

A) An average height 10-year-old (about 55 inches)?

B) an influenza virus (20 nm)?

C) the Sun (find the size yourself)?

**Hint:** review the class presentation online and don't forget to convert all units to base metric units (btw, what's the base metric unit for length?) before looking for the nearest power of ten.

**3. Watch video:** <https://www.youtube.com/watch?v=EMLPJqeW78Q>