

NAME:

1. **Review Lecture 4 “Metric System”** on the school website homework page.
2. **Express** the following quantities **in base metric units**. Give your answer in **both conventional decimal and scientific notation** (where appropriate).
 - A) 4.2 kilograms (kg)
 - B) 293 micrograms (μg or mkg)
 - C) 0.67 millimeters (mm)
 - D) 75 nanoliters (nL)
3. **Review Lecture 5 “Conversion of Units”** on the school website homework page.
4. **Convert** (use *scientific notation* where appropriate):
 - A) **990 pounds** (the weight of a Concert Grand Piano by Steinway) **to kilograms**
 - B) **-130°F** (the lowest natural temperature ever directly recorded at ground level on Earth) **to °C and K**
 - C) **30 microliters** (the volume of a typical raindrop) **to gallons**
 - D) **40,075 km** (the length of the Earth’s equator) **to miles**