

Punctuation rules help us read with comprehension. Modern metric (SI) measurement has its own punctuation rules. These rules are used worldwide.

SI PUNCTUATION RULES

- Rule #1:** Leave a space between the numerical value and the symbol. (**3 g** not **3g**)
- Rule #2:** There are no plural measurement symbols. (**kg** not **kgs**)
- Rule #3:** There are no periods written after units. (**kg** not **kg.**)
- Rule #4:** A space is used instead of a comma when writing large numbers. (**1 000 kg** not **1,000 kg**)
- Rule #5:** A zero is used before a value less than 1. (**0.6 kg** not **.6 kg**)

In questions 1 - 5, circle the measurement symbols that CORRECTLY follow each rule.

- 1. **Rule #1:** 1 m 10mL 15kg 20 m³ 1.2m² 55 N
- 2. **Rule #2:** 6 kg 20 mLs 9 kgs 15 m³s 24 N 8 gs
- 3. **Rule #3:** 5 m². 60 km. 45 s 52 m³ 9 N. 6 kg
- 4. **Rule #4:** 5,100 m 1 502 g 2,433 km 1,300 mL 10 403 N 1,750 kg
- 5. **Rule #5:** 0.6 m .03 N 0.15 kg 0.98 m³ .40 m .8 dm

6. Using all five rules, circle the correctly written measurements:

- 500 m 20 kgs 35 s .1 m² 1,000 kg 45N 0.3 m
- 14 K 0.46 m² 4L .2 L 1 500 m³ 41s 5 L

7. Write the measurement phrases below as numbers and units.

- a. two hundred kilograms _____
- b. twenty-five centimeters _____
- c. eighty liters _____
- d. twenty square meters _____
- e. five moles _____
- f. thirty seconds _____

Prefixes Worksheet
Physical Science A

- 1) What does SI stand for? _____
- 2) What is a prefix? _____

- 3) Fill in the following chart about the SI prefixes (BE CAREFUL! They're not in order):

Symbol	Prefix	Meaning
μ		
		100
	deci-	
M		
	milli-	
da		
		0.01 (1/100)
	kilo-	

- 4) In the following pairs of units, circle the LARGER unit:

(a) hectometer millimeter	(d) kilosecond decisecond
(b) dekwatt megawatt	(e) microliter milliliter
(c) micromole centimole	(f) megacandela microcandela
- 5) Write out in words the meaning of the following units. The first one is an example:

(a) MA <u>megaampere</u>	(e) μm _____
(b) ms _____	(f) kcd _____
(c) daL _____	(g) dmol _____
(d) cg _____	(h) hK _____
- 6) Write out the meaning of the following units using a number and a symbol. The first one is an example:

(a) microsecond <u>0.000 001 s</u>	(e) megakelvin _____
(b) decimeter _____	(f) kilogram _____
(c) centiliter _____	(g) hectoampere _____
(d) millicandela _____	(h) dekamole _____