

REVIEW

1 SECTION 1.2**The Way Science Works**

1. **Name** three tools used by scientists, and describe how they are used.

2. **Explain** why an experiment should test only one variable at a time.

3. **Convert** the following measurements as indicated:

_____	a. 95 cm to meters
_____	b. 1.1 L to milliliters
_____	c. 17 000 m to kilometers
_____	d. 500 kg to grams
_____	e. 2.55 mmol to moles
_____	f. 275 MA to amps

4. **Explain** why it is important that a hypothesis be stated so that it can be modified.

5. **Describe** why prefixes are useful with SI units.

6. **Explain** why scientists use SI units instead of units such as inches and gallons.
