

## Activity 1 (Quarter 3, Lesson 1)

### I. Tell whether the statement is true or false.

- \_\_\_\_\_ 1. Electromagnets are naturally existing magnets.
- \_\_\_\_\_ 2. Electromagnets require electricity in order to work.
- \_\_\_\_\_ 3. The iron nail used in making an electromagnet is also called as the coil.
- \_\_\_\_\_ 4. Flowing electricity creates a magnetic field around the coil that is transferred to the nail.
- \_\_\_\_\_ 5. The magnetic field of an electromagnet is permanent.

### II. Tell whether the given set of materials can make a simple electromagnet.

#### Write Yes or No.

- \_\_\_\_\_ 1. battery, barbecue stick, copper wire
- \_\_\_\_\_ 2. battery, iron nail, copper wire
- \_\_\_\_\_ 3. battery, plastic ruler, paper clips
- \_\_\_\_\_ 4. lighter, iron nail, copper wire
- \_\_\_\_\_ 5. battery, iron rod, aluminum wires

**III. Complete the table by converting time from 12-hour to 24-hour and vice versa.**

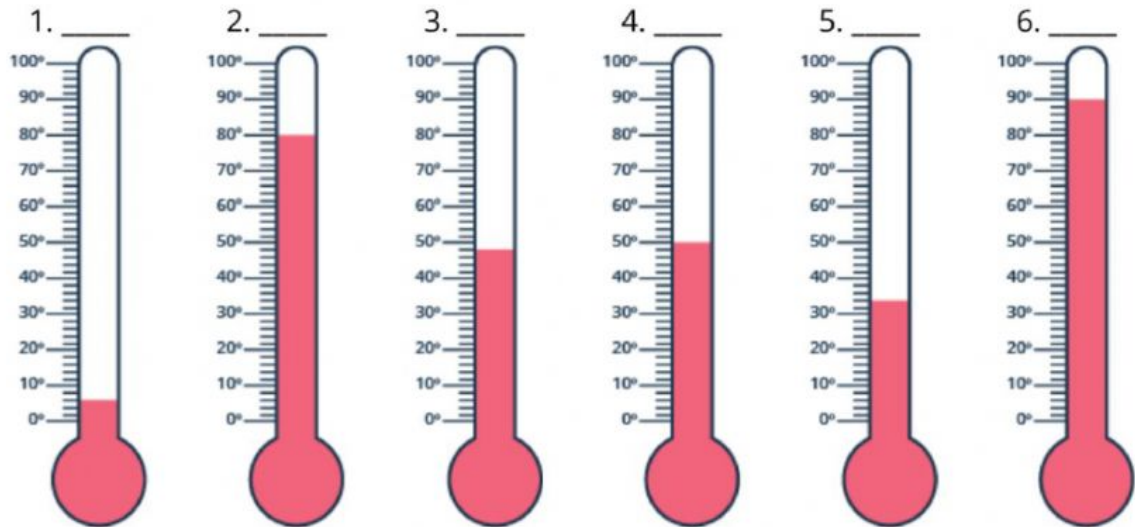
12 HOUR	24 HOUR
4:30 AM	
4:30 PM	
	19:00
12:00 NN	
	6:50

**IV. If it is 1:30 p.m. in the Philippines(UTC+8), what time is it in the following countries? Express your answer in a 12-hour clock format. (8 points)**

**1. Papua New Guinea (UTC +10)      3. Iran(UTC +3:30)**

**2. Afghanistan (UTC +4:30)      4. Singapore (UTC +6)**

**IV. A. Find the temperature reading (in °C) of the given thermometer. Answer the questions below.**



For items 7-10, answers should be the actual readings

- \_\_\_\_\_ 7. Which temperature is the hottest?
- \_\_\_\_\_ 8. Which temperature is the coldest?
- \_\_\_\_\_ 9. Which temperature is closest to room temperature?
- \_\_\_\_\_ 10. Which temperature is closest to boiling water?