HONORATO C. PEREZ SR., MEMORIAL SCIENCE HIGH SCHOOL **Worksheet No. 8**

Mabini Extension, Cabanatuan City

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Score:\_\_\_\_\_\_\_\_

Section: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. **Sequencing**

Some events and discoveries related to the development of communication are listed below. Number each one according to the correct order of occurrence from the earliest to the latest.

\_\_\_\_\_\_ invention of telegraph

\_\_\_\_\_\_ invention of telephone

\_\_\_\_\_\_ radio communication

\_\_\_\_\_\_ digital communication

1. **Discussing and Explaining**

Direction: Answer the following questions briefly. Write your answer on the space provided.

1. How does your AM/FM radio pick up signal from the air?
2. List down communication devices that people are using at present and write down the benefits that each renders.

c. How does communication develop into wireless communication?

1. Using the same spectrum, determine thefrequency and wavelength ranges of each ofthe forms of electromagnetic waves. Enter yourdata on the table.

EM Wave FrequencyRange (hertz) WavelengthRange(meters)

Radio Waves \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Microwaves \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Infrared \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Visible Light \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Ultraviolet \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

X-rays \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_

Gamma rays \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_