

## Lesson 3: Is a Pen a System?

### Activity 3.1

#### Purpose

The purpose of this activity is to take apart a pen and analyze how the parts that make up the pen work together to perform a pen's function.

#### Word Wall Words

#### Your Progress:

- Mastery
- Proficient
- Developing
- Beginning

System: \_\_\_\_\_

Subsystem: \_\_\_\_\_

#### + Safety

Do not attempt to remove the ballpoint from the ink cartridge, this will ruin the pen and may damage clothing and furniture.

#### Procedure

1. Disassemble the pen completely, taking it apart into as many pieces as possible without permanently damaging the pen.
2. List each part on the first data table. You may need to invent a meaningful name for each piece if you do not know one.
3. Describe in the box next to it what the specific function of that part is.
4. In the second data table group the parts together into 3 or 4 groups. Group the parts by looking for ones with similar functions.

Data Table

Part	Function

Analysis

