

# Lesson 7:

## More in Common - Veterinary Medications



9-12 Grade



45 Minutes



### Subjects:

Consumer science,  
Environmental science



### Setting:

Home and Classroom



### Pre-Homework:

Look for common medications  
in your household

### Materials:

- Internet Access  
(for research)
- Worksheet  
(More in Common:  
Medication Worksheet)  
**[Included]**
- Worksheet  
(More in Common:  
Venn Diagram Worksheet)  
**[Included]**
- More in Common:  
Pharmaceutical List  
**[Included]**

### DSRP Vocabulary:

- ▷ Antiparasitic
- ▷ Dosage
- ▷ Endocrine
- ▷ Venn diagram

## The Take-Away

*Proper disposal of medications given to  
pets is important. Also, picking up dog  
feces is significant to our ecosystem  
and wellbeing.*

### INTRODUCTION

Did you know that many medications that people use are also used on animals? In this lesson you will investigate commonly used medications and determine whether or not they are given to both humans and animals. The proper disposal of all of these medications is important to decrease contamination of water supplies.

### STUDENT OBJECTIVES

1. Explain, based on research, the fact that many of our pets take the same pharmaceutical medications we do.
2. Learn how to use a Venn diagram.
3. Understand why it is important to properly dispose of animal feces.

### DAILY ASSESSMENT

Students should have a clear understanding that pets may be able to take some of the same pharmaceuticals as humans, but that is important to know which ones are safe for pets and in what dosage.



## STATE AND NATIONAL STANDARDS

### COMMON CORE

**Literacy:** RST.9-10.8  
RST.11-12.7  
RST.11-12.8

**Math:** MP.2  
HSN.Q.A.1  
HSN.Q.A.2  
HSN.Q.A.3

### NAAEE GUIDELINES

3.1  
3.1.B  
3.1.C

### NGSS

HS-LS2-7  
HS-ETS1-4

**Conventional Classroom Procedure:**

1. \*The **night before class**, students should review the webpage How to Dispose of Unwanted Medicine and Personal Care Products Research and Resources.
2. Split up students into research groups (2-4 students).
3. Have students investigate either the information needed to complete the Venn diagram or medication worksheets
4. Based on information gathered from the internet on PPCP ingredients, student groups should summarize the issue in 1-4 sentences.

**Flipped Classroom: Procedure:**

1. The **night before class**, students should:
  - a. Fill in the Venn diagram or medication worksheet
  - b. Watch How to Dispose of Unwanted Medicine and Personal Care Products Research and Resources
2. In class:
  - a. Discuss any surprises that students experienced while filling out the More in Common worksheets.
  - b. Discuss potential changes they would make as a result of what they found.
  - c. Break students into groups to reflect on what extensions (stewardship projects) could be created from what they have learned. Share those discussions.

**Resources for Research:**

- How to Dispose of Unwanted Medicine and Personal Care Products Research and Resources webpage.

**Extension:**

Have students discover what pharmaceuticals they have in their household and discuss proper disposal with their guardians.

Name \_\_\_\_\_ Block/Period \_\_\_\_\_

**More in Common: Pharmaceutical list**

**Choose a medication from the list to research and determine if it is for human or animal use or both and place it in the correct place on the Venn diagram provided.**

TYLENOL

PYRANTEL PAMOATE

TAPAZOLE

PENICILLIN

BAYER

ASPRIN

INSULIN

ALEVE

ADDERALL

TRAMADOL

TAMIFLU

FENBENDAZOLE

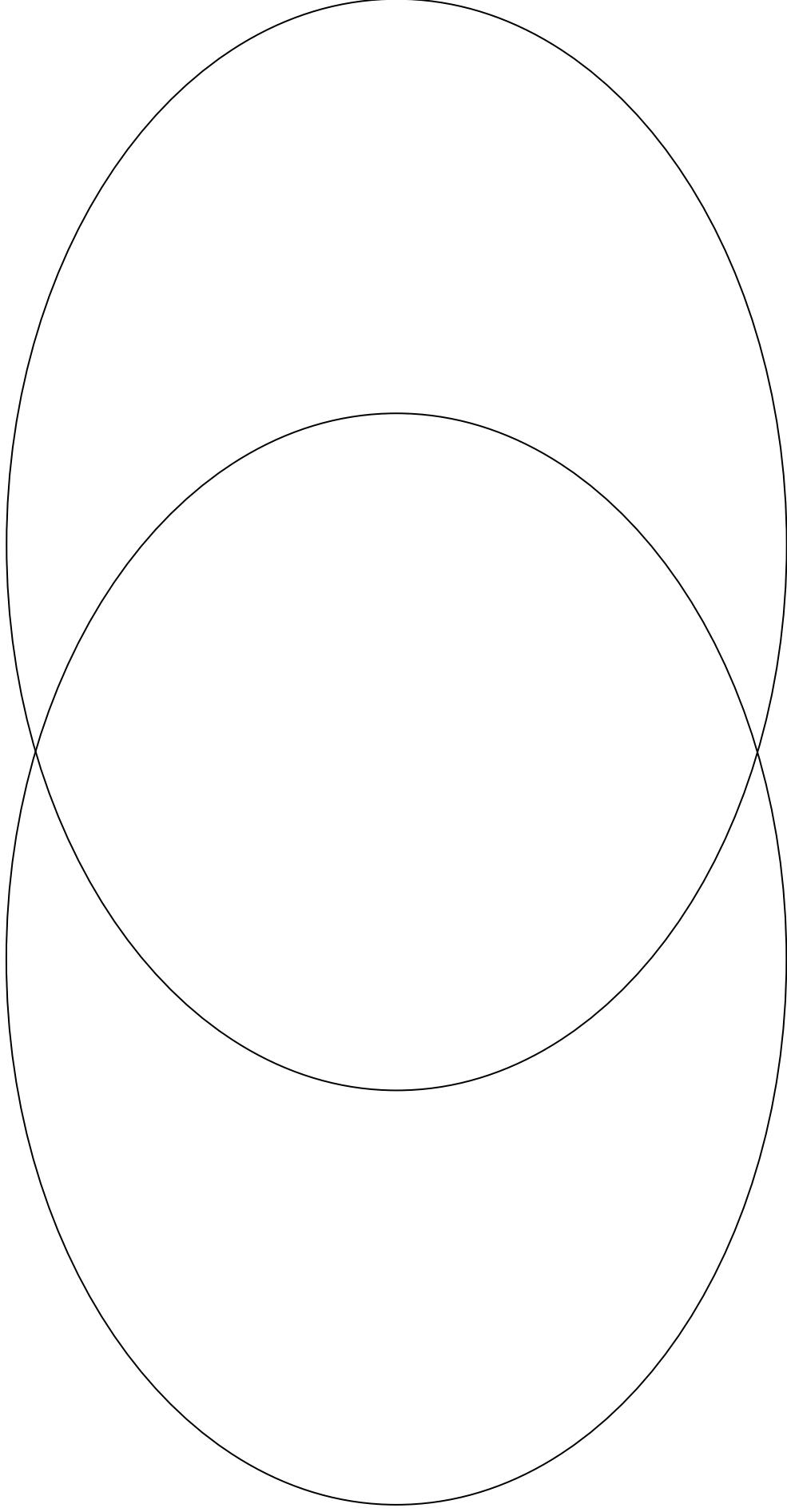
LEVOTHYROXINE

AMOXICILLIN

Name \_\_\_\_\_ Block/Period \_\_\_\_\_

**More in Common: Venn Diagram Worksheet**

Look at the list of medications and research at least six to determine if they are only for human or animal consumption or can be taken by both.



**CATS AND DOGS**

**HUMAN**

Name \_\_\_\_\_ Block/Period \_\_\_\_\_

**More in Common: Medication Worksheet**

Choose two types of medication and think of or research a common name for each, then determine if they are for human or animal use, or both. What is the best way to properly dispose of each?

FUNCTION	ANTIBIOTIC	ENDOCRINE REGULATOR	STEROID	ANTIPARASITIC	PAIN MEDICATION
COMMON PHARMACEUTICAL NAME					
HUMAN USE					
ANIMAL USE					
PROPER DISPOSAL					