

Bio 25 PAL Worksheet 1  
Week 4: Tissue and Skin

**1. Remember**

1: Take 60 seconds to list all tissues and one characteristic for each. Practice this three times.

2: \*modified from Bio 22 tissues PAL worksheet created by Carla Campos\*

In six boxes below, draw examples of simple vs. stratified epithelial tissue and their cell shapes.

**2. Understand**

1: Make a list of all tissues and structures presented in lecture and draw a concept map to *categorize* and *organize* structures based on cell types, cell distributions, structure distribution, and mechanical and functional properties.

**3. Apply**

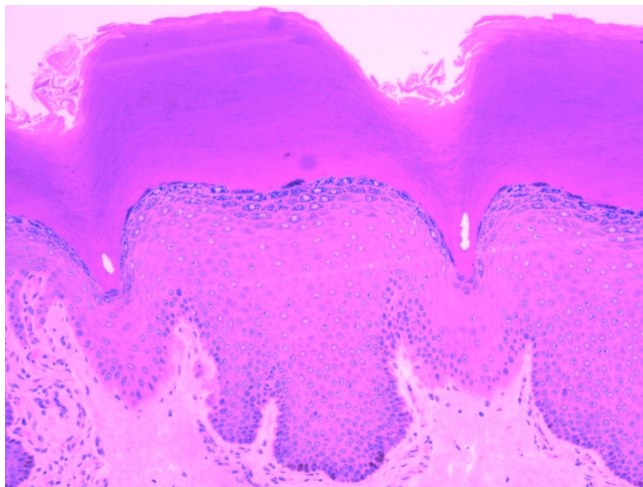
1: Determine which areas of the body the tissues drawn would be most useful. Write one sentence for each answer describing your logic.

**4. Analyze**

1: Compare and contrast the A) Esophagus, 2) Stomach, and 3) Small Intestine according to the relative sizes of their epithelial tissues.

**5. Create**

1: You are a bioengineer at NASA working on starting a Mars colony. Your job is to create a human-like robot that can start building a habitat for humans to use later. The first task is to engineer tissues.



- i) Name the tissue,
- ii) describe where in or on the robot it would go,
- iii) what would it do there,
- iv) name 4 specific structures in this tissue that would help accomplish this job.

**6. Evaluate**

1) Evaluate a lab mate's answers to number 5 and provide constructive feedback.

2) In the six boxes below, draw examples of simple vs stratified epithelial tissue and the three cell shapes.
