

## Tissue Investigation

### Procedure:

1. Find a microscope image of the 4 different types of tissue (epithelial, muscular, connective, & nervous tissue). Sketch the tissues.
2. Describe the appearance of the tissue you examined in your own words beside the sketch.

### **Tissue Sketches**

Tissue: _____	Description:	Tissue: _____	Description
Tissue: _____	Description	Tissue: _____	Description

### Analysis & Conclusions:

1. For **each** of the four general tissue types you examined, **explain** how the **structure** (shape, density, arrangement, extracellular material, etc.) is related to its **function**.

Epithelial	
Muscle	
Nerve	
Connective Tissue	

SNC2DN: Tissues

2. Squamous epithelial cells are very susceptible to cancer. Provide a *hypothesis* (a theory with explanation) for this observation.

3. Correctly identify the role of the major tissue types and enter the appropriate letter in the box. (C,M,N,E)

	Forms membranes		Its cells shorten to exert force
	Allows for the movement of limbs and for organ movements within the body		Forms endocrine (hormone) and exocrine (ie salivary, mucous) glands
	Uses electrochemical signals to carry out its function		Allows you to smile, grasp, and swim, ski and throw a ball
	Supports and reinforces body organs		Surrounds and cushions body organs
	Cells of this tissue may absorb and/or secrete substances		Forms the bone
	Basis of the major controlling system of the body		Forms the brain and spinal cord