Tissues of the Human Body

Name: _____ **Date:** _____

Quick Review

The human body contains four major types of tissue:

- **Epithelial tissue** — covers surfaces, lines organs and cavities, and forms many glands.
- **Connective tissue** — supports, connects, protects, stores, and transports materials.
- **Muscle tissue** — contracts to produce movement.
- **Nervous tissue** — receives information and transmits electrical signals.

Part A — Multiple Choice

1. Which tissue covers the outside of the body and lines many internal organs?

A. Muscle tissue
B. Nervous tissue
C. Epithelial tissue
D. Connective tissue

2. Which tissue is specialized to contract and produce movement?

A. Muscle tissue
B. Epithelial tissue
C. Nervous tissue
D. Connective tissue

3. Which tissue carries electrical signals around the body?

A. Connective tissue
B. Nervous tissue
C. Epithelial tissue
D. Muscle tissue

4. Bone, blood, cartilage, and fat are examples of:

A. epithelial tissue
B. muscle tissue
C. connective tissue
D. nervous tissue

5. Which tissue often consists of tightly packed cells that form protective layers?

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A. Epithelial tissue
B. Connective tissue
C. Muscle tissue
D. Nervous tissue

6. Which tissue helps connect and support different parts of the body?

A. Muscle tissue
B. Nervous tissue
C. Connective tissue
D. Epithelial tissue

Part B — Match the Tissue

Match each description with the correct tissue type.

A. Epithelial tissue
B. Connective tissue
C. Muscle tissue
D. Nervous tissue

_____ Covers and protects body surfaces.

_____ Contracts to move parts of the body.

_____ Transmits electrical signals.

_____ Supports and connects structures.

_____ Forms the lining of the digestive tract.

_____ Includes bone and cartilage.

_____ Helps the heart pump blood.

_____ Forms much of the brain and spinal cord.

Part C — Complete the Table

Tissue Type	Main Function	Example or Location

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Epithelial		Skin
Connective		
Muscle		Skeletal muscles
Nervous		

Part D — Identify the Tissue

Write **epithelial, connective, muscle,** or **nervous**.

1. This tissue forms a protective layer on the surface of the skin.

2. This tissue allows your arm to move when you lift an object.

3. This tissue carries messages from your brain to your muscles.

4. This tissue includes blood, bone, and cartilage.

5. This tissue lines the inside of your intestines.

6. This tissue contracts repeatedly to make your heart beat.

Part E — Compare the Tissues

1. How are epithelial tissue and connective tissue different in function?

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2. How do nervous tissue and muscle tissue work together when you move your hand?

3. Why might epithelial cells be tightly packed together?

4. Give two different functions of connective tissue.

1.

2.

Part F — Apply Your Knowledge

A student accidentally touches a hot object and quickly pulls their hand away.

1. Which tissue detects and carries information about the heat?

2. Which tissue contracts to move the hand away?

3. Which tissue forms the protective outer covering of the hand?

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