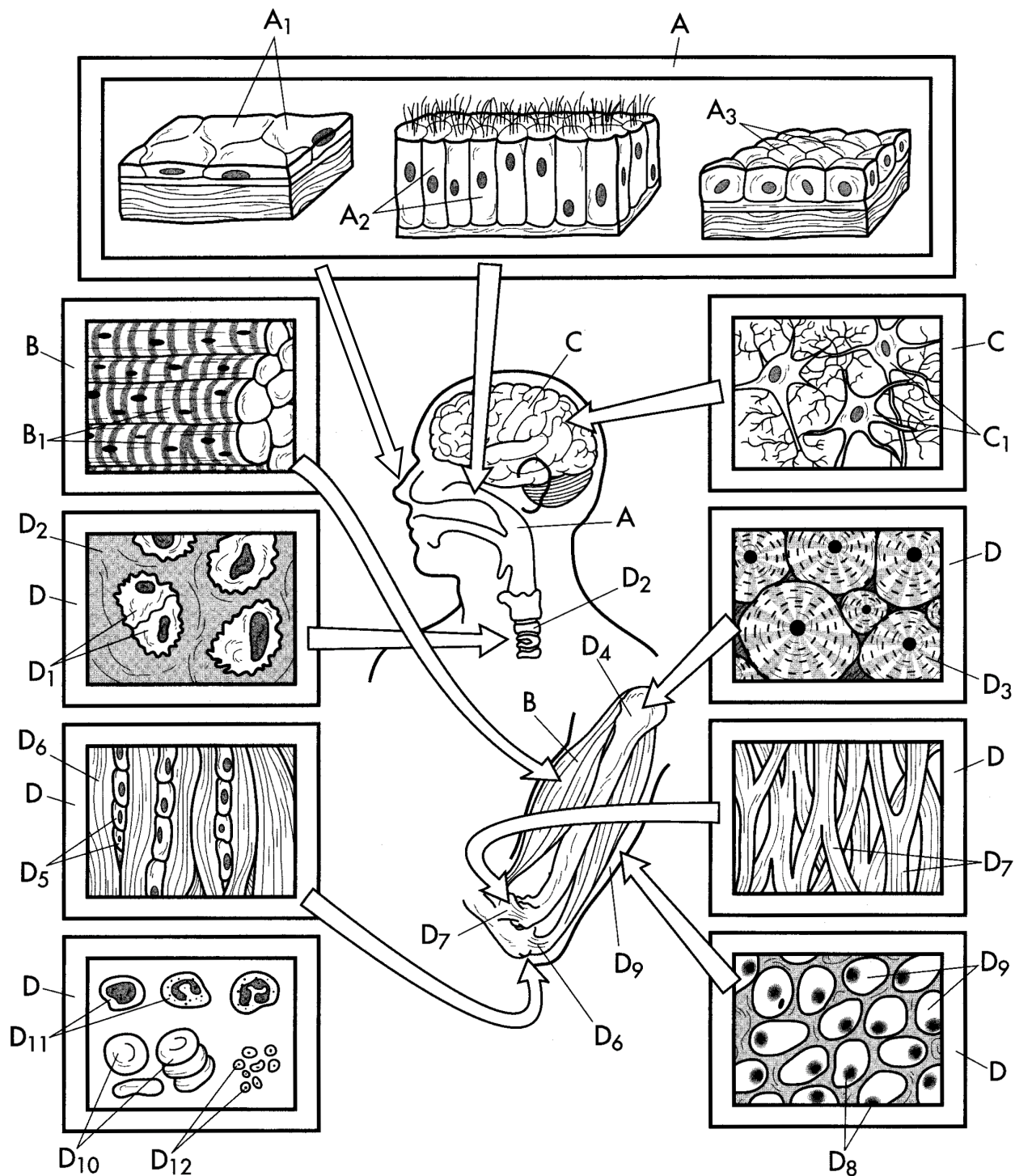


Tissue Types

Name:

Period:



A₁, A₂, A₃ — cells on the surface & lining organs

B₁ — muscle cells

C₁ — nerve cells

D₁, D₂ — cartilage cells

D₃, D₄ — bone cells

D₅, D₆ — tendon cells

D₇ — ligament cells

D₈, D₉ — fat cells

D₁₀, D₁₁, D₁₂ — blood cells

Work: 10 points

diagram adapted from Biology Coloring Workbook (1998) by I. Edward Alcamo

Tissue Types

Name: _____

Period: _____

Follow the directions below to color-code the diagrams and to answer the questions. You can use Chapter 15, Section 1 of your textbook to help you. Use colored pencils, and check off each box ☐ as you finish that part of the instructions.

The diagram shows where different types of cells work together in different parts of your body. Because different parts of your body do different things, the cells must be specialized to do particular jobs. Reread p.467 and fill in the sentences below.

Cells that work together are called a _____.

Cells that have specific structures to do certain jobs are _____ cells.

Color the outside of the box A orange ☐. Color the two arrows from box A orange ☐. The job of this kind of tissue is to protect anything that is underneath it. It is found covering the outside of your body (it is your skin), as well as lining inside parts of your body, like your throat.

A refers to _____ tissue.

Color the outside of the box B purple ☐. Color the arrow from box B purple ☐. The job of this kind of tissue is to contract (get shorter). It is found in all of your muscles (like those in your arm) that help you to move around.

B refers to _____ tissue.

Color the outside of the box C yellow ☐. Color the arrow from box C yellow ☐. The job of this kind of tissue is to send electrical signals throughout your body. It is found in your nerves, brain, and sense organs (like your eyes).

C refers to _____ tissue.

Color the outside of all of the boxes with a D brown ☐. Color the arrows from any of the boxes with a D brown ☐. The job of this kind of tissue is to support and connect parts of your body together. It is found in places like cartilage, bone, tendons, ligaments, fat, and blood.

D refers to _____ tissue.

Next to each body part, write down the type of tissue that forms it.

blood _____

muscle _____

bone _____

nerves _____

brain _____

sense organs _____

cartilage _____

skin _____

eyes _____

tendons _____

fat _____

throat lining _____

ligaments _____

Work: 10 points