

TISSUES- 4 MAIN TYPES

EPITHELIAL

- cover all free body surfaces (in & out)
- basement membrane**- anchors to underlying tissue
- lacks blood vessels
- little intercellular material
- replaced continuously (readily)

Caricinoma- cancer originating in epithelium

90% of all cancers are the type that originate in epithelial tissue

CONNECTIVE

- most abundant tissue by weight
- cells are farther apart than epithelium
- intercellular material called **matrix** (composed of fibers & ground substance)
- **fibroblasts** are most common cell type, in general (produce fibers discussed on next slide)

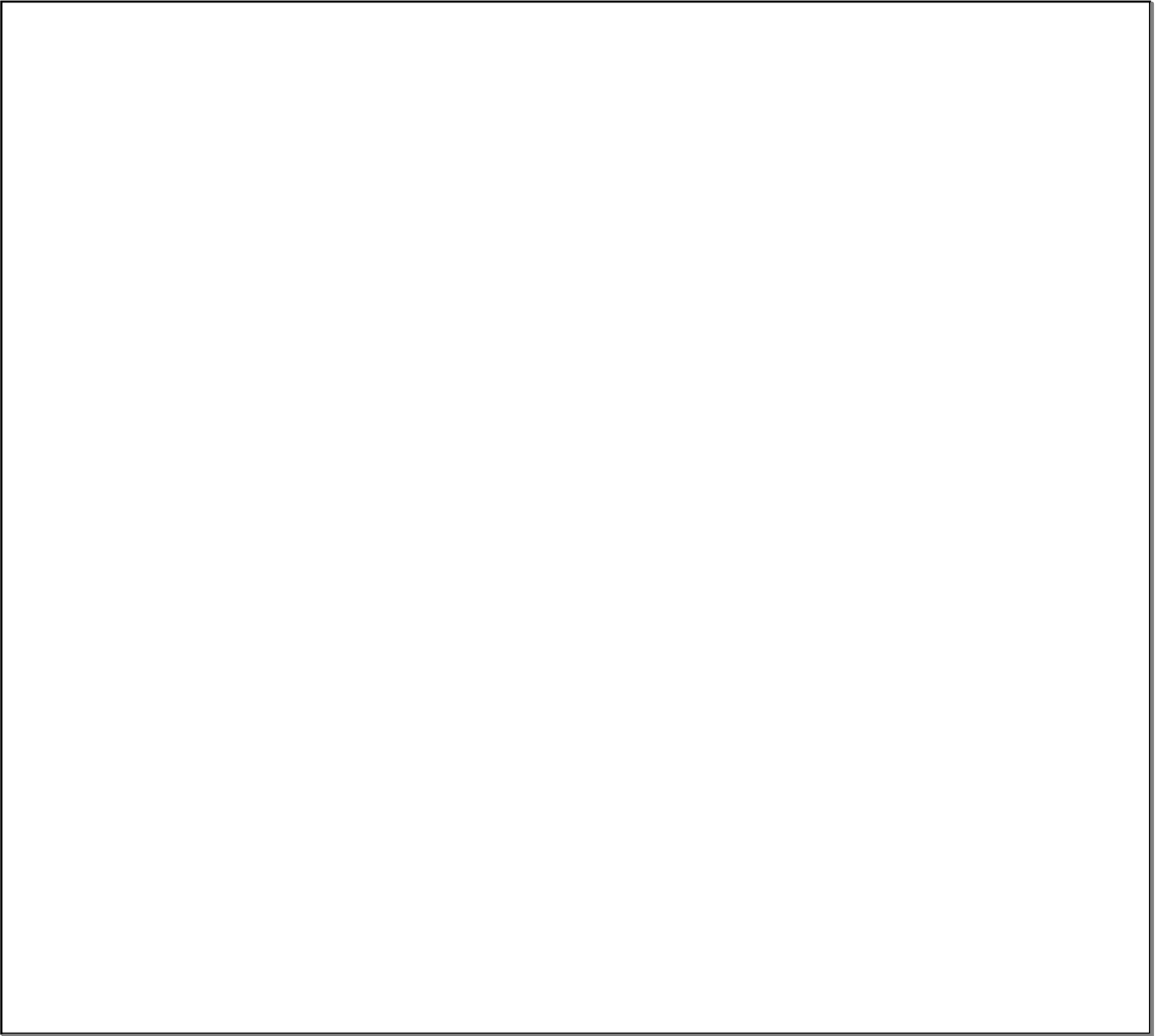
2 types of fibers (present in varying amounts)

- **collagenous fibers**

thick & threadlike
great tensile strength
"white", dense

- **elastic fibers**

branched
easily stretched
"yellow"



MUSCLE -contractile tissue

-skeletal

voluntary (conscious control) with striations

-smooth

involuntary, lacks striations

-cardiac

involuntary with striations & intercalated disks

NERVOUS- coordinate & regulate body activities

-neurons-

sensitive to changes

respond by transmitting impulses to other neurons or body parts

-neuroglial cells

bind & support

connect neurons to blood vessels