



ACROSS

- 1 _____ epithelia are cube-shaped epithelial cells.
- 3 _____s are the cells that primarily compose adipose tissue, specialized in storing energy as fat.
- 6 The _____ epithelium is a specialized epithelial tissue inside the nasal cavity that is involved in smell.
- 7 _____ tissue is largely a category of exclusion rather than one with a precise definition, but most tissues in this category are involved in structure and support, derived from mesoderm, and characterized by the traits of non-living tissue.
- 13 _____ columnar epithelia have several layers, with columnar cells as the outermost of these.
- 14 _____ connective tissue is a type of connective tissue which has relatively high tensile strength, due to a relatively high concentration of collagenous fibers.
- 16 _____ is a tissue composed of layers of cells which line the cavities and surfaces of structures throughout the body. It is also the type of tissue of which many glands are formed.
- 19 The _____ is the innermost layer of tissue that lines the chambers of the heart.
- 20 The _____ microscope, often referred to as a light microscope, is a type of microscope which uses visible light and a system of lenses to magnify images of small samples.

- 23 A _____ is an organ in an animal's body that synthesizes a substance for release, often into the bloodstream (endocrine) or onto a surface (exocrine).
- 25 _____ epithelium is an epithelium characterised by its most superficial layer consisting of flat, scale-like cells.
- 26 The _____ membrane of a polarized cell is the part of the plasma membrane that forms its basal and lateral surfaces, distinct from the luminal or apical surface.
- 29 _____ is the study of tissue sectioned as a thin slice, viewed under a microscope.
- 30 The basal _____ is a layer on which epithelium sits and which is secreted by the epithelial cells.
- 31 _____ connective tissue has collagen fibers as its main matrix element.
- 32 The extracellular _____ is the extracellular part of animal tissue that usually provides structural support to the cells in addition to performing other functions. It is the defining feature of connective tissue in animals.

DOWN

- 2 _____ adipose tissue is present in many newborn or hibernating mammals as well as migratory birds. Its primary purpose is to generate body heat.
- 3 _____ connective tissue (or loose connective tissue) is the most widely distributed connective tissue type in the body. It can be found in

- the skin as well as in places that connect epithelium to other tissues.
- 4 _____ epithelia is a type of tissue consisting of multiple layers of epithelial cells which can contract and expand.
- 5 The _____ is the thin layer of cells that line the interior surface of blood vessels.
- 8 _____ refers to the microscopic examination of tissue in order to study the manifestations of disease.
- 9 _____ cuboidal epithelia is epithelial tissue composed of cuboidally shaped cells arranged in multiple layers.
- 10 The _____ membrane is a structure that supports overlying epithelial or endothelial cells.
- 11 _____ cuboidal epithelia are epithelial cells with a cuboidal shape arranged in a single layer.
- 12 _____ is a chemical process used in the fields of histology, pathology, and cell biology by which biological tissues are preserved from decay.
- 15 The _____ membrane of a polarized cell is the part of the plasma membrane that forms its luminal surface, distinct from the basolateral membrane.
- 17 Antonie van _____ (1632 - 1723) was a Dutch tradesman and scientist who is commonly known as the Father of Microbiology.
- 18 _____ tissue or fat is loose connective tissue composed of adipocytes.
- 21 _____ epithelia are epithelial cells whose heights are at least twice their width.

- 22 A biological _____ is a collection of interconnected cells that perform a similar function within an organism.
- 24 Simple _____ epithelium is made up of one layer of cells that are relatively thick and protective of the underlying tissues due to its elongated shape.
- 27 _____ adipose tissue is one of the two types of adipose tissue found in mammals, in humans, composing as much as 20% of the body weight in men and 25% of the body weight in women.
- 28 _____ cells are glandular simple columnar epithelial cells whose sole function is to secrete mucus.