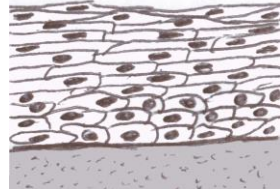
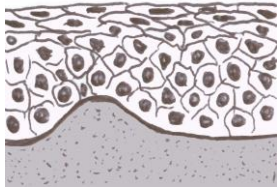
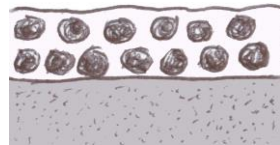


Page 3-Stratified Epithelial Tissue – Cells are arranged in rows or sheets MULTIPLE cell layers thick. Read the descriptions of the different stratified epithelia below and select the best choice using all the clues you can find.



Stratified Squamous (usually more than 10 layers of cells)

TOP LAYER CELLS are all squamous –
FLAT AND THIN like tiles or pancakes.
Nuclei tend to be FLATTENED IN THE TOP LAYERS.
Cells in the lower layers may be any shape.



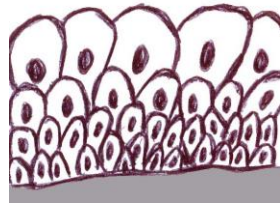
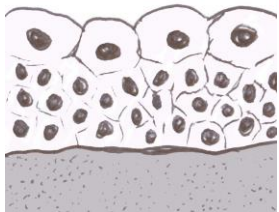
Stratified Cuboidal (usually only 2-3 layers of cells)

TOP LAYER CELLS are all cuboidal –
EQUALLY TALL & WIDE (like SQUARES.)
Nuclei tend to be roundish IN THE TOP LAYER.
Cells in the lower layers may be any shape.



Stratified Columnar (usually only 2-3 layers of cells)

TOP LAYER CELLS are all columnar –
TALLER THAN THEY ARE WIDE (like RECTANGLES.)
Nuclei tend to be oval IN THE TOP LAYER.
Cells in the lower layers may be any shape.



Transitional (usually 5 or more layers of cells)

TOP LAYER CELLS tend to be MUCH LARGER THAN LOWER CELLS
and tend to look like huge fluffy pillows or clouds (at least their apical portions).
Nuclei tend to be fairly large and round or oval throughout all layers.
Cells in the lower layers may be round or elongated.