Chapter 2 Quiz – Extra Study Questions

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. A group of broad and flat cells that cover and protect is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ tissue.
2. Fat cells have large \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that store extra nutrients, which have been converted to fat.
3. Why are many small cells more efficient at exchanging nutrients and waste?
4. Explain what happens to the surface area to volume ratio as the length of the side of a cube increases.
5. How does this explain why cells divide?

Complete the following table:

|  |  |  |  |
| --- | --- | --- | --- |
| Cube sides (cm) | Surface Area (cm2) | Volume (cm3) | Ratio of surface area to volume |
| 1 | 6 | 1 | 6 : 1 |
| 2 |  |  |  |