

Name \_\_\_\_\_

Animal Cells

**Answer Key: Endoplasmic Reticulum and Protein Synthesis**

1. The endoplasmic reticulum (ER) is a network of membranes within animal cells. It has two forms: rough ER and smooth ER.
2. The main role of rough ER is to be involved in protein synthesis, where ribosomes read the genetic code in DNA and assemble proteins.
3. Proteins in animal cells are synthesized with the help of ribosomes on the rough ER, following the instructions in the genetic code.
4. Smooth ER is involved in various functions, including lipid synthesis and detoxification.
5. False