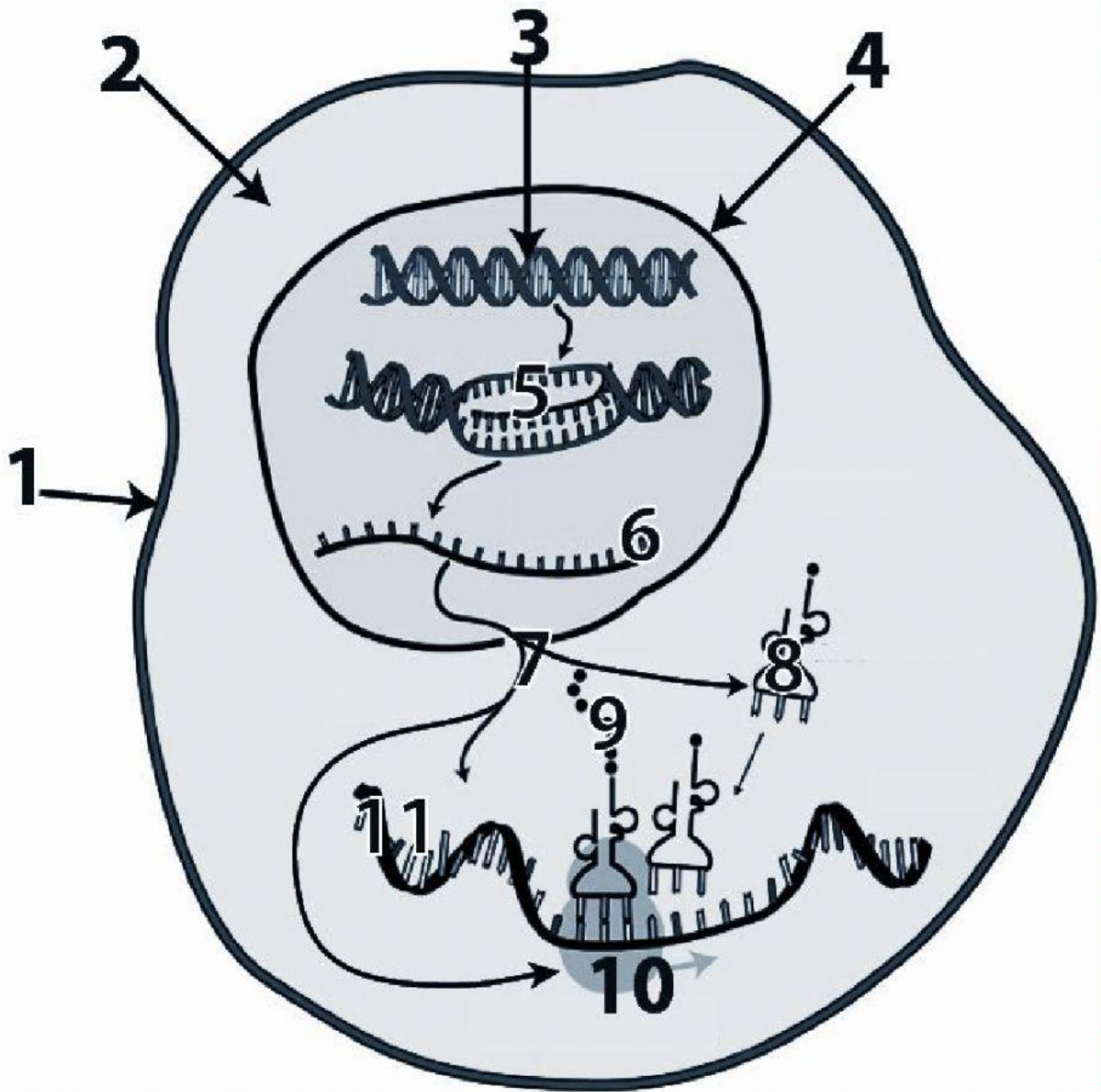


# Review Protein Synthesis

## Identify Labeled Structures #1-#12



# Review of Protein Synthesis:

1. Describe the process occurring for image #5.
2. Describe the process occurring for image #10.
3. Name 3 examples of biomolecules you see in the diagram.
4. Describe 2 similarities in images 6 & 12.
5. Describe 2 differences in images 6 & 12.
6. How does image 7 relate to cellular transport?

# The Role of Nucleic Acids & Protein Synthesis Review:6A

1. What does a DNA triplet (codon) code for?
2. What part of a DNA molecule is responsible for the direct coding of specific traits in an organism?
3. What is the relationship between genes and proteins?

# The Role of Nucleic Acids & Protein Synthesis Review:6C

1. What is the purpose of Transcription?
2. What is the purpose of Translation?
3. Compare/Contrast DNA and RNA.
4. How are mRNA, tRNA, and rRNA different?
5. How is the genetic code used to build proteins?



# The Role of Nucleic Acids & Protein Synthesis Review:6E

TOPIC A

TOPIC B

TOPIC C

TOPIC D

TOPIC E

TOPIC F

TOPIC G

TOPIC H

1. What is a mutation
2. When a mutation occurs how does it impact protein production?
3. Discuss the main purpose of a Karyotype.
4. How changes to chromosomes can lead to diseases?

# The Role of Nucleic Acids & Protein Synthesis Review: 9A

1. Discuss the function of nucleic acids involved in protein synthesis?
2. Name the building block (monomer) involved in forming polypeptides (proteins)
3. What is a role of enzymes that are involved in protein synthesis?