MIT Translation Class Notes

To be completed in class using tRNA Booklet 1 (pages 10-36).
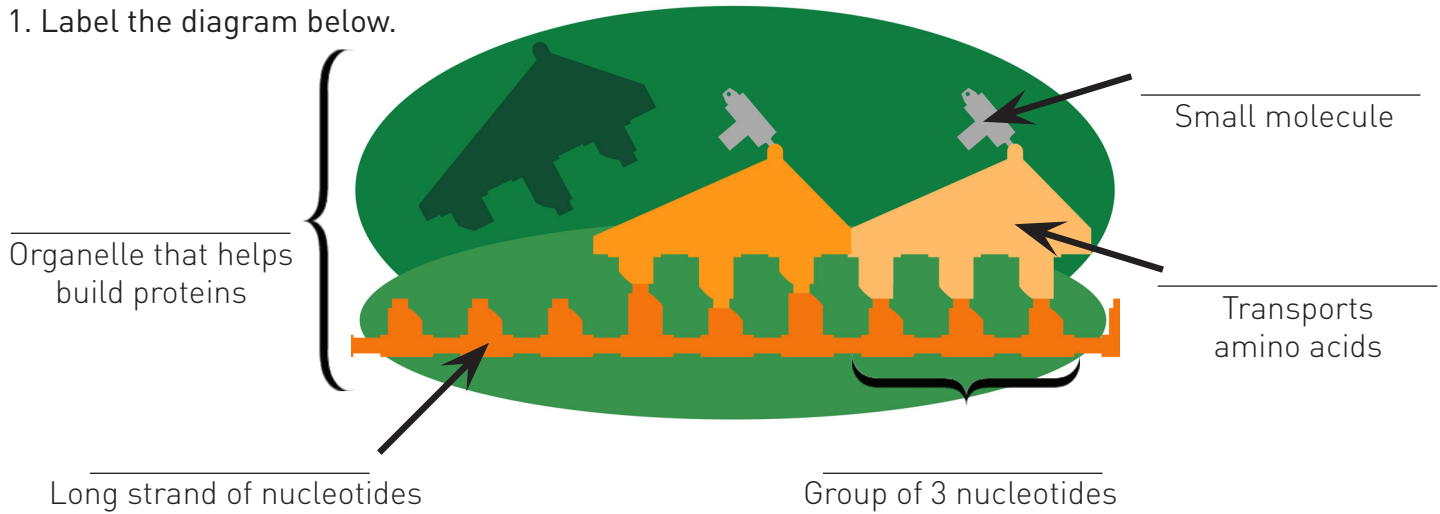
In translation, the mRNA is read to produce a protein.

Name _____

Date _____

Class _____

1. Label the diagram below.

_____
Small molecule

_____
Organelle that helps
build proteins

_____
Transports
amino acids

_____
Long strand of nucleotides

_____
Group of 3 nucleotides

2. What organelle in the cell helps build proteins? _____

3. What part of the tRNA binds to the mRNA codon? _____

4. What 3 mRNA nucleotides are always in the "Start" position? _____

5. What happens at the STOP codon? (See page 22.) _____

_____

6. First, write in one correct mRNA codon for valine (Val) and arginine (Arg) in the chart below. (See page 35 or 36.) Then, write in the tRNA anticodon that would base pair with each mRNA codon.

Amino Acid	Methionine	Valine	Arginine	STOP
mRNA Codon	A U G			U A G
tRNA Anticodon	U A C			A U C