

Angeles City Science High School
Science 10

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Section: 10-Hawking

Activity 1 TRACE THE CODE

Objective: Identify the amino acids coded for by the mRNA codon using the Genetic Code

Table

Materials: Genetic Code Table

Procedures:

1. Copy and fill in the table
2. Refer to the Genetic Code Table to identify the amino acid.

Order of bases in DNA	Order of bases in mRNA (codon)	Order of bases in tRNA	Amino Acid Coded into Proteins
TAG	AUC	UAG	Isoleucine
CAT	GUA	CAU	Val
CAG	GUC	CAG	Val
GCT	CCA	GGU	Pro
TAC	AUG	UAC	Methionine
CAA/CAG/CAT/CAC	GUU/GUC/GUA/GUG	CAA/CAG/CAU/CAC	Valine
TGA	ACU	UGA	Thr
ACA	UGU	ACA	Cys
AAA	UUU	AAA	Phe
GAA	CUU	GAA	Leu

