CONCEPT: AEROBIC RESPIRATION SUMMARY

		Krebs Cycle (Citric Acid)	Oxidative Phosphorylation	TOTALS
Start Molecule	Lipids, Proteins, or Carbohydrates	2 Acetyl-CoA	___ NADH ___ $FADH_2$	
O–C–O		4		
ATP		2		
$FADH_2$		2		
NADH		6		
End Molecule		Oxaloacetate		

Common Metabolic Pathway

EXAMPLE: What are the total ATP molecules produced by NADH from the citric acid cycle?

a) 2 ATP

b) 2.5 ATP

c) 15 ATP

d) 18 ATP

PRACTICE: Which is the primary function of Electron Transport Chain in aerobic respiration?

a) Synthesize ATP by oxidative phosphorylation.

b) Degrade proteins to amino acids.

c) Transport electrons from NADH and $FADH_2$.

d) Produce oxygen and water.