RESPIRATION SUMMARY

GLUCOSE

Glycolysis pyruvate pyruvate

(cytoplasm) ATP ATP

NADH NADH

Link Reaction NADH NADH

(mitochondrial

matrix)

Krebs Cycle NADH NADH

(matrix) NADH NADH

NADH NADH

FADH2 FADH2

ATP ATP

Electron Transport

Chain (intermembrane space)

1 NADH = 3 ATP

1 FADH2 = 2 ATP

Total # of ATP molecules produced: 38

Adapted from Alex Lee, Seisen International School (2013).