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).