

Cell Respiration Flow Chart-Group Self-Evaluation

Fill in the following chart based on your own chart and the original Cell Respiration Flow Chart instruction sheet. *There may be some blank areas.*

Step	Energy in/ Energy out/ Net energy	Carbons per molecule (may be more than one molecule!)	Electron transport shuttles involved	Location within cell	Anaerobic or aerobic?	Circle one
1	Used 2 ATP/ gained 4/ Net +2ATP	Glucose (6) to pyruvic acid (3)	NAD ⁺ to NADH	cytoplasm	Anaerobic	<ul style="list-style-type: none"> · Glycolysis · Krebs Cycle · Electron transport chain
2						<ul style="list-style-type: none"> · Glycolysis · Krebs Cycle · Electron transport chain
3						<ul style="list-style-type: none"> · Glycolysis · Krebs Cycle · Electron transport chain
4						<ul style="list-style-type: none"> · Glycolysis · Krebs Cycle · Electron transport chain
5						<ul style="list-style-type: none"> · Glycolysis · Krebs Cycle · Electron transport chain
6						<ul style="list-style-type: none"> · Glycolysis · Krebs Cycle · Electron transport chain
7						<ul style="list-style-type: none"> · Glycolysis · Krebs Cycle · Electron transport chain

Additional comments:

Cell Respiration Flow Chart-Group Peer-Evaluation

Move to the next table (clockwise) and fill in the following chart based on your classmates' chart and the original Cell Respiration Flow Chart instruction sheet. *There may be some blank areas.*

Step	Energy in/ Energy out/ Net energy	Carbons per molecule (may be more than one molecule!)	Electron transport shuttles involved	Location within cell	Anaerobic or aerobic?	Circle one
1	Used 2 ATP/ gained 4/ Net +2ATP	Glucose (6) to pyruvic acid (3)	NAD ⁺ to NADH	cytoplasm	Anaerobic	<ul style="list-style-type: none"> · Glycolysis · Krebs Cycle · Electron transport chain
2						<ul style="list-style-type: none"> · Glycolysis · Krebs Cycle · Electron transport chain
3						<ul style="list-style-type: none"> · Glycolysis · Krebs Cycle · Electron transport chain
4						<ul style="list-style-type: none"> · Glycolysis · Krebs Cycle · Electron transport chain
5						<ul style="list-style-type: none"> · Glycolysis · Krebs Cycle · Electron transport chain
6						<ul style="list-style-type: none"> · Glycolysis · Krebs Cycle · Electron transport chain
7						<ul style="list-style-type: none"> · Glycolysis · Krebs Cycle · Electron transport chain

Additional comments:

Name _____ Period _____

Are there any changes you would make to your chart after having filled these out? If so, what and why?