

Answers to the cellular respiration diagram:

- A. glucose
- B. pyruvic acid
- C. energy investment
- D. energy payback
- E. 2
- F. 4
- G. Glycolysis
- H. 2
- I. Cytoplasm
- J. Acetyl CoA
- K. CO₂
- L. NADH
- M. Krebs's Cycle
- N. 2
- O. Matrix
- P. 2
- Q. CO₂
- R. NADH
- S. FADH₂
- T. ETC
- U. ATP Synthesis
- V. On inner membrane
- W. Proteins embedded in inner membrane
- X. O₂
- Y. H₂O
- Z. ATP synthase
- AB. ADP
- AC. P
- AD. ATP

Answers to review worksheet

- 1. thermal
- 2. chemical
- 3. potential
- 4. glucose (monosaccharides)
- 5. proteins
- 6. heat
- 7. ATP
- 8. 3
- 9. spring
- 10. ATP
- 11. move, transport proteins across membrane, build molecules like protein,
- 12. oxygen gas
- 13. mouth → lungs → arteries → cells (for cellular respiration) → (O₂ poor blood leaves through veins)