

Consciously Uncoupled

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<https://goo.gl/images/Ay7q4q>

Cellular Respiration

<https://www.youtube.com/watch?v=6W-7FG9K1pA>

Cellular Respiration Animation

Citric Acid Cycle

- ❖ Krebs Cycle / TCA Cycle
- ❖ Central to Metabolism
- ❖ Major source of energy
- ❖ Elucidation by Hans Krebs led to the Nobel Prize in 1953 for his work
- ❖ Always Taking—molecules go in
- ❖ Always Giving—molecules go out

Hans Krebs TCA Cycle

- ❖ Hans Krebs submitted his findings to the journal Nature, only to receive a note that the journal had a backlog of “letters” and could not publish it without a significant delay.
- ❖ Submitted the work to another journal.
- ❖ Nobel Prize in 1953

Missed Opportunity

- ❖ “This was the first time in my career, after having published more than fifty papers, that I experienced a rejection or semi-rejection.”

—Hans Krebs

Missed Opportunity

- ❖ An editor's nightmare is to reject a Nobel-prizewinning paper...Rejection of Hans Krebs' discovery of the tricarboxylic acid cycle (aka citric acid cycle or Krebs cycle), a pivot of biochemical metabolism, remains Nature's most egregious error (as far as we know)."

—*Nature*, October 28, 1988 (Nature Editors)

Not the first time...

- ❖ Let it be known to all of you and to all the people of Israel that by the name of Jesus Christ of Nazareth, whom you crucified, whom God raised from the dead... **This Jesus is the stone that was rejected by you, the builders, which has become the cornerstone.**

—Acts 4:10-11

Or the last time...

- ❖ When they came to Capernaum, the collectors of the two-drachma tax went up to Peter and said, “Does your teacher not pay the tax?” He said, “Yes.” Matthew 17:24
- ❖ Only a little before, Peter had acknowledged Jesus as the Son of God; but (by) his answer to the collector, that Jesus would pay the tribute, he had virtually sanctioned the false conception of Him to which the priests and rulers were trying to give currency.

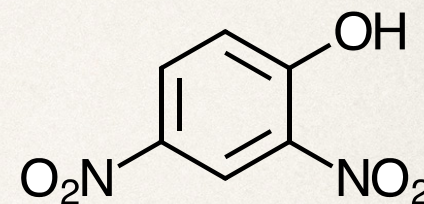
—Desire of Ages, p. 433

Electron Transport Chain (ETC)

- ❖ ETC obtains molecules from the Citric Acid Cycle that are used to make ATP—the energy currency of the body.
- ❖ The citric acid cycle, the electron transport chain and ATP synthesis are “coupled.”

Case Study #2 — Uncoupled

- ❖ 27-yr-old agitated female complaining of fatigue, nausea, and excessive sweating.
- ❖ She admitted to starting a new diet tablet a week before her admission; she had doubled the recommended dose for faster results.
- ❖ Past medical history was negative.
- ❖ She was a non-smoker, non-drinker, NKDA.
- ❖ BMI 33
- ❖ Airway, clear; respirations, 60; O₂ sat, 100%; BP, 122/86; HR, 140 bpm; temperature, 38 °C.
- ❖ No other significant clinical findings.



Uncoupled

- ❖ Generates heat instead of doing work.
- ❖ Body expends stored glucose, fat, and protein to supply energy

I. Uncoupled Relationships

Earth's First Broken Relationship

- ❖ He said to the woman, “**Did God actually say, ‘You shall not eat of any tree in the garden’?**”

For God knows that when you eat of it your eyes will be opened, and you will be like God, knowing good and evil.” So when the woman saw that the tree was good for food, and that it was a delight to the eyes, and that the tree was to be desired to make one wise, she took of its fruit and ate, and she also gave some to her husband who was with her, and he ate.

—Genesis 3:1, 5-6

2. Education Uncoupled

Education & the Gospel Uncoupled

- ❖ Bear in mind that the Lord will accept as teachers only those who will be gospel teachers. A great responsibility rests upon those who attempt to teach the last gospel message. They are to be laborers together with God in the training of human minds. The teacher who fails to keep the Bible standard always before him, misses an opportunity of being a laborer together with God in giving to the mind the mold that is essential for a place in the heavenly courts.

—*The Review and Herald*, September 3, 1908

Education & the Gospel Uncoupled

- ❖ The great reason why so few of the world's great men, and those having a college education, are led to obey the commandments of God, is because they have _____ education from religion, thinking that each should occupy a field by itself. . . .

—*Christian Education*, p. 209

Education & the Gospel Uncoupled

- ❖ **Our ideas of education take too narrow and too low a range. There is need of a broader scope, a higher aim. True education means more than the pursual of a certain course of study. It means more than a preparation for the life that now is. It has to do with the whole being, and with the whole period of existence possible to man. It is the harmonious development of the physical, the mental, and the spiritual powers. It prepares the student for the joy of service in this world and for the higher joy of wider service in the world to come.**
—Education, p. 13

3. Medical Work Uncoupled

Medical & Gospel Work Uncoupled

- ❖ Although the health reform is not the third angel's message, it is closely connected with it. Those who proclaim the message should teach health reform also...

It is a subject that we must understand, **in order to be prepared for the events that are close upon us, and it should have a prominent place.**

—*Christian Temperance & Bible Hygiene*, p. 121-122

Medical & Gospel Work Uncoupled

- ❖ The medical missionary work is not to be carried forward as something apart from the work of the gospel ministry. The Lord's people are to be one. There is to be no separation in His work....The two lines of work must not be separated. Satan will invent every possible scheme to separate those whom God is seeking to make one....The medical missionary work is to be connected with the third angel's message as the hand is connected with the body; and **the education of students in medical missionary lines is not complete unless they are trained to work in connection with the church and the ministry.**

—*Counsels on Health*, p. 557

Wherever there is life in a church, there is increase and growth. There is also a constant interchange, taking and giving out, receiving and returning to the Lord His own.

—Counsels on Stewardship, p. 36

4. Uncoupled from the Church

Taking to Give

- ❖ On this giving and receiving depend the life and growth of the church. He who receives, but never gives, soon ceases to receive. **If the truth does not flow from him to others, he loses his capacity to receive.** We must impart the goods of heaven, if we would receive fresh blessing.

—Counsels on Stewardship, p. 36

Uncoupled from the Church

Some have advanced the thought that, as we near the close of time, every child of God will act independently of any religious organization. But I have been instructed by the Lord that in this work there is no such thing as every man's being independent.

—*Last Day Events*, p. 47

Uncoupled from the Church

- ❖ In Christ's stead he places his hands upon him, and, as he prays in Christ's name, Saul receives the Holy Ghost. **All is done in the name and by the authority of Christ. Christ is the fountain; the church is the channel of communication.**

—Acts of the Apostles, p. 122.4

Uncoupled from the Church

- ❖ **The church of God below is one with the church of God above. Believers on the earth and the beings in heaven who have never fallen constitute one church....**

—*Counsels to the Church*, p. 241