A Pencil’s Life Cycle

Wood
- Cedar tree harvested; trucker hauls tree to mill; prepares lumber; lumber shipped to factory.

Lead and Eraser
- Graphite mined and shipped to factory; clay collected and shipped to factory, gums tapped, prepared and shipped to factory.

Materials that go into a Pencil

- Wood
- Graphite
- Clay
- Rubber (tree sap)
- Gum (tree sap)
- Copper, Canada
- Incense Cedar (wood), California
- Petroleum, Saudi Arabia
- Graphite, Sri Lanka
- Pumice, Italy
- Zinc, Poland
- Rubber (tree sap), Brazil
- Guma (tree sap), Mexico
- Clay, Mississippi

Customer drives to store to buy pencils.

Trucker hauls pencils to warehouse or railroad.

Trucker hauls pencils to wholesale dealers.

Customer uses, then discards pencil.

Discarded pencils can be donated to a school/nature center for craft projects.

Trucker hauls to landfill or incinerator.

New tree planted or regenerated.

Customer drives to store to buy pencils.

Trucker hauls to wholesale dealers.

Trucker hauls pencils to retail stores.

Pencils manufactured.

Lead and Eraser
- Graphite mined and shipped to factory; clay collected and shipped to factory, gums tapped, prepared and shipped to factory.