

# UNIT 2 HOMEWORK – A Collection

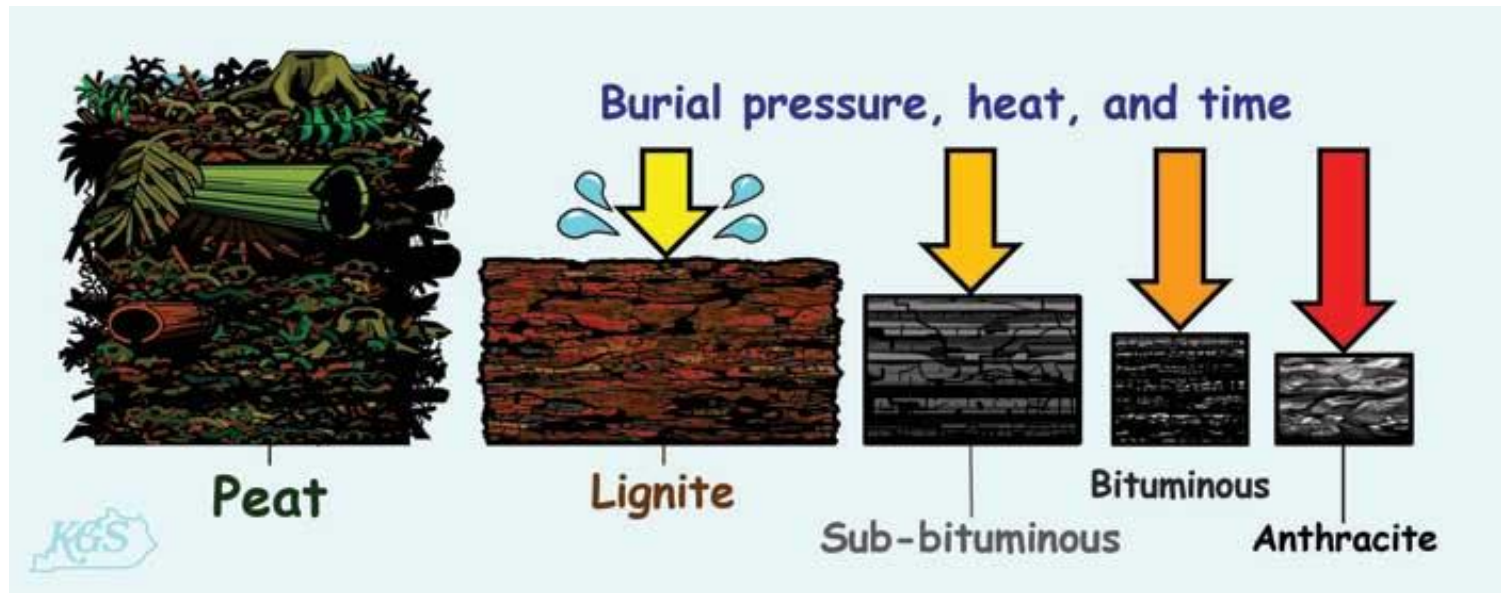
- ◎ Pick a collection you like, *e.g.*, birds, leaves, rocks, butterflies, trees, train photos, ...
- ◎ Write a 200-word description about your collection. Include classification categories and a least 3 pictures of different elements in your collection.
- ◎ Must have a reference!

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## Coal Classification

- There are five types of coal, “ranked” by percentage of carbon (and thus energy content). Generally based on age, younger coal has less carbon and more moisture, and is less efficient when burned.
- From lowest to highest rank: peat, lignite, sub-bituminous, bituminous, and anthracite. Peat is included as the youngest, least efficient coal. Lignite is high in moisture (up to 40%) and low in energy, whereas anthracite has less moisture (as low as 3%) and more energy.
- Considered “mature,” older coal is darker, harder, shinier, and produces more CO<sub>2</sub> when burned, In the United States, the older, dirtier coal is typically found in the east in the anthracite-filled Appalachians along with bituminous coal, while sub-bituminous coal is in the west and lignite in the south.

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Type	Peat	Lignite	Sub-bituminous	Bituminous	Anthracite
Age	young				old
Carbon	low				high
Energy	low				high
Moisture		40%			3%
Location in U.S.	everywhere	Texas	Wyoming	Appalachia	Appalachia
...					