* Try to split bigger group of fossils into two smaller groups based on an observable characteristic.
* Keep splitting until each fossil has been isolated and is in a box by itself.

* What are some observable characteristics that can be used to separate one/more fossils from the others?
* There are several different ways this dichotomous (ID) key could be constructed.
* Can you think of a different way(s) to do it?

* What are some observable characteristics that can be used to separate one/more fossils from the others?*

  **Brachiopods, gastropods, & pelecypods actually look like shells. They have a shell-like appearance.**

  **Brachiopod shells have left-right (bilateral) symmetry. Right & left sides of pelecypod shell aren’t same.**

  **Gastropod shells have a spiral shape. Crinoids, cephalopods, & horn corals are cylindrical (tube-like).**

  **Crinoids & cephalopods have a segmented appearance. Horn corals do not have segmented appearance.**

  **Crinoids have little/no taper. Cephalopods taper slightly. Horn corals taper sharply (to a point).**