Rafe checklist

Traits to do:

1. Lobes
   1. Any of the following can have lobes: leaves, sepals, petals, and female floral structures (stigma, ovary). But leaves are by far the most common.
   2. Capture size and shape information similar to leaves.
   3. Also capture the **number** of lobes: 3-lobed, trilobate,
   4. Unlobed and entire both mean 0 lobes, in which case they cannot have shape and size
   5. Watch out to separately capture shape about the leaf margin (not technically lobes, see next item)
2. Margin (of blade or lobes or petals or sepals)
   1. This is one that should get its own terminology as that will help you
   2. Words: crenate, dentate, undulate, sinuate, scalloped, serrate.
3. Stamens
   1. Substructures: anther, filament (they can have their own size and shape)
   2. Use existing shape vocabularies
   3. Also capture **number**
4. Ovary
   1. Substructures: style, stigma, carpel
   2. Special position terms:
      1. Superior = hypogynous
      2. Inferior = epigynous
      3. Perigynous
   3. Capture **number** also, substructures can have different numbers
5. Seeds
   1. Just capture length and width
6. Fruit
   1. Color, size, shape
   2. Pepo is a special fruit term, other special terms: capsule, berry, legume, pod, silique, follicle – record the name (special type of fruit) but otherwise treat as synonyms for fruit
7. General plant descriptors (usually beginning of treatment)
   1. Perennial/annual/biennial
   2. Deciduous/evergreen
   3. Plant height (note – will typically be missing in Cucurbitaceae because they are vines)
      1. HINT: if a measurement is given for structure “plants” or “stems” – at the beginning of a treatment – parse as height. See Ecballium elaterium in Cucurbitaceae as an example.
   4. Shrub/herb/vine (synonyms: climbing, trailing)/liana/tree/caulescent/acaulescent/cespitose/caespitose/epiphytic/lithophytic/epiphyte/lithophyte/parasitic/parasite/woody/herbaceous/monocarpic/frutescent
8. General plant descriptors (not always beginning of treatment)
   1. Monoecious/dioecious/androdioecious/gynodioecious/hermaphroditic/bisexual/perfect/protandrous/protogynous/unisexual
   2. Symmetry descriptors
      1. Zygomorphic = irregular
      2. Actinomorphic = regular
   3. Just find and report these terms in the entire paragraph – they apply to nothing else so no parsing needed

Families to do:

1. Continue Saxifragaceae, Cucurbitaceae
2. Add these:
   1. Anisophylleaceae, Apodanthaceae, Corynocarpaceae, Coriariaceae, Tetramelaceae, Datiscaceae, Begoniaceae
   2. Rosaceae, Rhamnaceae, Elaeagnaceae, Barbeyaceae, Dirachmaceae, Ulmaceae, Cannabaceae, Moraceae, Urticaceae
   3. Betulaceae, Casuarinaceae, Fagaceae, Juglandaceae, Myricaceae, Nothofagaceae, Ticodendraceae
   4. Fabaceae (=Leguminosae), Quillajaceae, Polygalaceae, Surianaceae.
3. Not all are in Flora of North America but this list is complete for future floras