Name
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## **Word Detective Files Answer Key**

- Photosynthesis Prefix: photo (light) | Root: synth (put together) | Suffix: -esis (process) → The process of putting together using light
- Autonomous Prefix: auto (self) | Root: nom (law) | Suffix: -ous (full of) → Self-governing or independent
- 3. **Geothermal** Prefix: geo (earth) | Root: therm (heat) | Suffix: -al (related to)  $\rightarrow$  Related to heat from the Earth
- Hydraulic Prefix: hydr (water) | Root: aul (pipe) | Suffix: -ic (pertaining to)
  → Operated by water pressure
- 5. **Telecommunication** Prefix: *tele* (far) | Root: *communic* (share) | Suffix: *ation* (process) → *The process of sharing information over long distances*
- 6. **Microscope** Prefix: *micro* (small) | Root: *scop* (see) | Suffix: -e (noun ending) → *An instrument for seeing small things*
- Bilingual Prefix: bi (two) | Root: lingu (language) | Suffix: -al (pertaining to) → Able to speak two languages

## Teacher's Guide

- Focus Skill: Morphological analysis students learn to decode complex academic words by identifying morphemes (prefix, root, suffix).
- Differentiation Tips:
  - For younger learners: Choose simpler words (e.g., transport, preview, rebuild).
  - o For advanced learners: Include **scientific or technical terms** across disciplines (e.g., *photosynthesis*, *thermodynamic*).
- Extension Activities:
  - Ask students to find five new "academic" or "STEM" words in their textbooks and break them down into morphemes.
  - o Encourage learners to make a "Word Detective Journal" to track recurring roots and meanings across subjects.

