**SBI 3U**  **Survey of the living world** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Partner: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Visit as many stations as you can and complete the following chart for each, to the best of your ability.

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| --- | --- | --- | --- | --- | --- | --- |
| Station #  Name of organism | Unicellular or Multicellular | Heterotroph or Autotroph | Sexual or Asexual | Prokaryotic or Eukaryotic | Habitat | Kingdom?  Why? |
| 1  mushroom | multicellular | heterotroph | asexual and sexual | eukaryotic | anywhere with nutrients and moisture, forest floors, trees, decaying plant matter | fungi |
| 2  plant | multicellular | autotroph | sexual | eukaryotic | meadows and fields, coastal mountains (christmas cactus) | plants |
| 3  harmful bacteria | unicellular | heterotroph | asexual | prokaryotic | food, human body | (eu)bacteria |
| 4  amoeba | unicellular | heterotroph | asexual | eukaryotic | stagnant ponds, shallow water, moist soil | protist |
| 5  frog | multicellular | heterotroph | sexual | eukaryotic | in or near ponds | animal |
| 6  mold | multicellular | heterotroph | sexual or asexual | eukaryotic | food, moist environments | fungi |
| 7  bird | multicellular | heterotroph | sexual | eukaryotic | nests, trees and other protected places | animal |
| 8  stentor | unicellular | heterotroph | sexual or asexual | eukaryotic | freshwater | protist |
| 9  archaea | unicellular | autotroph or heterotroph | asexual | prokaryotic | extreme environments (salt flats, hot springs, animal intestines) | archaea |
| 10  worms | multicellular | heterotroph | sexual | eukaryotic | soil | animal |
| 11  bearded dragon | multicellular | heterotroph | sexual | eukaryotic | desert | animal |
| 12  apple | multicellular | autotroph | sexual | eukaryotic | man-made structures, rocks and trees | plant |