Internal/External Anatomy of a Fish

Name: _______________________________________________

1. List three body systems that both humans and fish have.

2. Draw a line and match each fish organ/body part to its appropriate function.

- **Gills**: Protects fish from parasites and bacteria in the water
- **Lateral Line**: Filters toxins from a fish’s blood stream and creates waste
- **Slime Layer**: Filled with gases; helps the fish move up and down in the water column.
- **Swim Bladder**: Helps with digestion processes
- **Kidneys**: Allows the fish to hear and feel vibrations in the water
- **Pyloric Cacae**: Secretes bile to aid in digestion
- **Liver**: Allows fish to breath underwater
Label the external anatomy features of the fish found in the Porgy family below.

- **Top fin**: used for balance, movement, and protection.
- **Tail fin**: used to move the fish.
- **Belly fin**: used for balance and movement.
- **Caudal fin**: helps the fish hear vibrations in the water.
- **Nares**: like nostrils; used for smelling.
- **Lateral line**: like skin; used for protection.
- **Dorsal fin**: eye, mouth, pectoral fin, scales, ventral fin.

**Word Box:**
- Dorsal Fin
- Nares
- Lateral Line
- Caudal Fin
- Pectoral Fin
- Scales
- Ventral Fin
- Mouth
- Eye