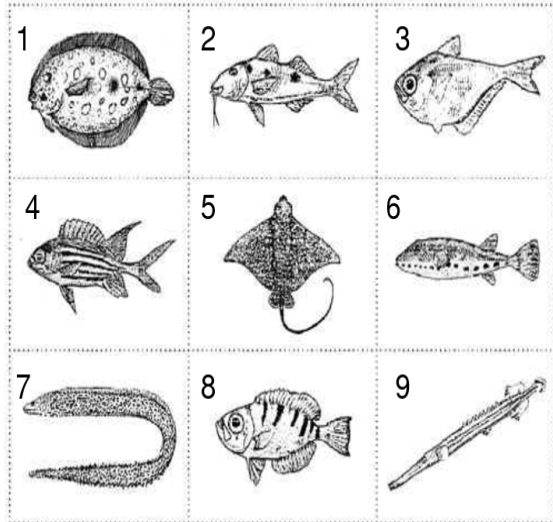


Coral Reef Fish Dichotomous Key



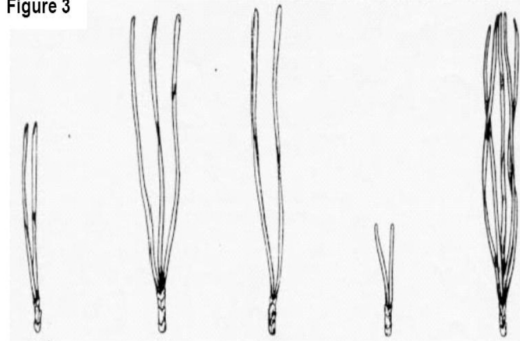
Use the dichotomous key to determine the species of each fish. Write the number of the fish picture next to its name.

| | |
|--------|---|
| Step 1 | a. If fish shape is long and skinny then go to step 2 b. If fish shape is not long and skinny, then go to step 3 |
| Step 2 | a. If fish has pointed fins, it is a trumpet fish = ____ b. If fish has smooth fins, it is a spotted moray eel = ____ |
| Step 3 | a. If fish has both eyes on top of the head, then go to step 4 b. If fish has one eye on each side of the head, then go to step 5 |
| Step 4 | a. If fish has long whip-like tail, it is a spotted eagle ray = ____ b. If fish has short, blunt tail, it is a peacock flounder = ____ |
| Step 5 | a. If fish has spots, then go to step 6 b. If fish does not have spots, then go to step 7 |
| Step 6 | a. If fish has chin "whiskers," it is a spotted goat fish = ____ b. If fish does not have chin "whiskers," it is a band-tail puffer = ____ |
| Step 7 | a. If fish has stripes, then go to step 8 b. If fish does not have stripes, it is a glassy sweeper = ____ |
| Step 8 | a. If fish has a v-shaped tail, it is a squirrel fish = ____ b. If fish has a blunt tail, it is a glass-eye snapper = ____ |

Adapted from Smith Life Science <http://www.smithlifescience.com/FishCoralReefDichotomousKey.htm>

Pine Needle Dichotomous Key

Figure 3



Scotch Pitch Austrian Jack White
Make your own key for the above species of pine needles. You may use a ruler – use metric measurements!

1a

1b

2a

2b

3a

3b

4a

4b

5a

5b

6a

6b

How many steps did it take you?