

FISH DICHOTOMOUS KEY

in your notebook, give the title and then use the dichotomous key to identify the 10 Illinois fish.
Below are pictures of 10 Illinois fish. See if you can identify them using this simple key.

1. a) Whiskerlike barbels present on head (catfishes)—Go to 2
b) No whiskerlike barbels present on head—Go to 3



2. a) Caudal fin forked—channel catfish
b) Caudal fin rounded—tadpole shiner



3. a) Mouth facing downward (suckers)—Go to 4
b) Mouth not facing downward—Go to 5

4. a) Front edge of dorsal fin at least 4 times longer than back edge—quillback
b) Front edge of dorsal fin less than 4 times longer than back edge—black redbreast



5. a) Body elongate, more than twice as long as tail—Go to 6
b) Body not elongate, but slab-sided. Not more than twice as long as tail—bluegill



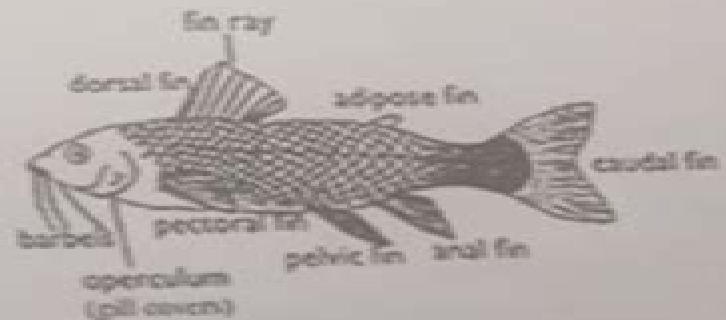
6. a) First five rays of dorsal fin spikelike—brook stickleback
b) First five rays of dorsal fin not spikelike—Go to 7



7. a) Two dorsal fins. (darters)—Go to 8
b) Only one dorsal fin—Go to 9

8. a) Bold irregular black stripe on side, like a series of connected blotches—blackside darter
b) No bold black markings on side. Markings are narrow vertical bars—orangefthroat darter

Fish Anatomy



All drawings above taken from P.W. Smith (1979).
The Fishes of Illinois.

9. a) Caudal fin forked—spottin shiner
b) Caudal fin rounded—blackspotted topminnow

Using A Dichotomous Key Freshwater Fish Answers

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