

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 madtom



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 rehorse



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

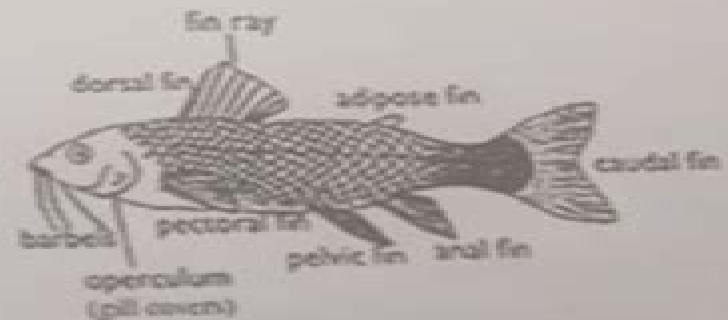
b) No bold black markings on side. Markings are
narrow vertical bars—orangemouth darter

9. a) Caudal fin forked—spottin shiner

b) Caudal fin rounded—blackspotted topminnow

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

Fish Anatomy



Using A Dichotomous Key Freshwater Fish Answers

Raffaela Di Napoli



Using A Dichotomous Key Freshwater Fish Answers:

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Table of Contents Using A Dichotomous Key Freshwater Fish Answers

1. Understanding the eBook Using A Dichotomous Key Freshwater Fish Answers
 - The Rise of Digital Reading Using A Dichotomous Key Freshwater Fish Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Using A Dichotomous Key Freshwater Fish Answers
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Using A Dichotomous Key Freshwater Fish Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Using A Dichotomous Key Freshwater Fish Answers
 - Personalized Recommendations
 - Using A Dichotomous Key Freshwater Fish Answers User Reviews and Ratings
 - Using A Dichotomous Key Freshwater Fish Answers and Bestseller Lists
5. Accessing Using A Dichotomous Key Freshwater Fish Answers Free and Paid eBooks
 - Using A Dichotomous Key Freshwater Fish Answers Public Domain eBooks
 - Using A Dichotomous Key Freshwater Fish Answers eBook Subscription Services

- Using A Dichotomous Key Freshwater Fish Answers Budget-Friendly Options
- 6. Navigating Using A Dichotomous Key Freshwater Fish Answers eBook Formats
 - ePub, PDF, MOBI, and More
 - Using A Dichotomous Key Freshwater Fish Answers Compatibility with Devices
 - Using A Dichotomous Key Freshwater Fish Answers Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Using A Dichotomous Key Freshwater Fish Answers
 - Highlighting and Note-Taking Using A Dichotomous Key Freshwater Fish Answers
 - Interactive Elements Using A Dichotomous Key Freshwater Fish Answers
- 8. Staying Engaged with Using A Dichotomous Key Freshwater Fish Answers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Using A Dichotomous Key Freshwater Fish Answers
- 9. Balancing eBooks and Physical Books Using A Dichotomous Key Freshwater Fish Answers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Using A Dichotomous Key Freshwater Fish Answers
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Using A Dichotomous Key Freshwater Fish Answers
 - Setting Reading Goals Using A Dichotomous Key Freshwater Fish Answers
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Using A Dichotomous Key Freshwater Fish Answers
 - Fact-Checking eBook Content of Using A Dichotomous Key Freshwater Fish Answers
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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