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| TOPIC | Biodiversity Basics | TIME ESTIMATE | 45 minutes |
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| OBJECTIVES | |
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| <ul style="list-style-type: none"> • <i>Students will be able to define biodiversity.</i> • <i>Students will be able to describe the three types of biodiversity.</i> • <i>Students will be able to identify the three types of habitats found in Illinois.</i> • <i>Students will be able to describe conservation issues related to biodiversity.</i> | |

| MATERIALS & RESOURCES | |
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| <ul style="list-style-type: none"> • <i>Computer with projector</i> • <i>Biodiversity of Illinois DVD (Available from the Illinois Department of Natural Resources)</i> • <i>Biodiversity of Illinois video guide (Available online – see Appendix 2)</i> • <i>Biodiversity Basic Discussion Guide (Worksheet 1)</i> | |

| LESSON DESCRIPTION & ACTIVITIES | | |
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| Steps | No. of Minutes | ACTIVITIES |
| 1 | 10 | <ul style="list-style-type: none"> • Pass out the Biodiversity Basics Discussion Guide (Worksheet 1) • Allow time for students to complete what they can on the discussion guide (The teacher should monitor students during this time in order to gauge their prior knowledge of the topic.) |
| 2 | 20 | <ul style="list-style-type: none"> • Watch the Biodiversity of Illinois video • Instruct students to correct and/or fill in answers on the discussion guide as they watch the video |
| 3 | 15 | <ul style="list-style-type: none"> • Discuss the questions on the video worksheet as well as additional questions students may have about the topics in the video |



Worksheet 1: Biodiversity of Illinois

Name _____

Complete this worksheet as you watch the Biodiversity of Illinois video.

1. What is biodiversity? _____

2. What are the different types of biodiversity?

_____ diversity includes all the different types of living things.

_____ diversity includes the variety of differences within species, which is determined by the genes on chromosomes.

_____ diversity refers to the variety of habitats.

3. How many natural divisions are in Illinois? _____

Which one includes our area?

4. What are the three habitat types found in Illinois? _____

5. What happens to organisms when a habitat is destroyed? They are _____, must _____, or must _____ to different habitats.

6. What are the main threats to Illinois habitats? Habitat _____, introduced _____, pollution, population _____, and over consumption.

7. What is the natural rate of extinction? _____ species every _____ years

8. What is the rate of extinction today? _____ species every _____

9. What can we do to improve biodiversity?