

Land Use Changes 1912-2000

Student Worksheet, page 1



Name: _____

- go to <https://ecologyexplorers.asu.edu/get-started/interactive-games/>
- click on **Land Use Changes 1912-2000**
- click on **next** to view all the maps from 1912-2000 to see how Phoenix has changed
- using the **statistics** button, fill in the box below:

	1912	1934	1955	1975	1995	2000
Agriculture						
Urban						
Desert						
Recreation						

Using the statistics and history buttons, answer the following questions:

1) View the map of 1912. Click on the history button. What two major developments allowed immigrants to settle and make a living in Phoenix?

2) What percentage of land in 1912 is classified as urban? _____

3) What is the majority of natural desert land being converted to in 1912? _____

4) View the map of 1934. Click on the history button. After just 60 years of agriculture being the dominant land use, what is beginning to happen to agricultural land?

5) At the height of agriculture (1934), what percentage of the country did it cover? _____

6) Did you spot the new land use type in 1934? What is it? _____ What was its former land use classification? _____ Click through all the maps. Are there any large parks created on agricultural land? _____

7) View the map of 1955. Click on the history button. Why did the population triple?

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8) What industry was increasing as agriculture was declining? _____

9) What do you think people were planting in their yards--native plants or introducing plants from other states?

10) Compare the maps of 1975 and 2000. Average nighttime temperatures have changed by 8°F over the last 30 years due to the retention of heat by surfaces during the day that is slowly released into the environment at night. Do you think the nights were hotter in 1975 or 2000? _____

11) What is happening to agriculture from 1955 to 1975?

12) the population density of Maricopa County according to the US Census in 2000 was _____

The small county of Monaco has a population density of 43,000 people per square mile

13) Maricopa county is in the Sonoran Desert which has the greatest diversity of life forms of all deserts in the world. It is also home to more than 3,500 native species of plants, 130 mammals, 500 kinds of birds, 20 amphibians, 100 reptiles, and 30 native freshwater fish. How do you think human development impacts the desert's biodiversity?

14) How do you think land use will change over the next 50 years?