Quiz Time... Evolution Terminology

Review for UNIT TEST...TUESDAY after break

Review #1 - Unit 1.pdf   Review Crossword - Unit 1.pdf

Review Solutions.pdf

$\underline{Review} \dots$

1 - 9

species/area

$$Population = Pop.\ Density \times Area$$

$1^{st}\ Trap \\ (all\ marked)$

$$Estimate\ Pop = \frac{T_F \times T_L}{M}$$ ← Trap size

← Mark

$$A = P(1 + r)^n$$

✱ Exponential Growth

Amount (Population)

inital Population

growth rate ($\%\ \Rightarrow$ dec)

time (years)

Introduction to Environmental Science 120

Biological Evolution, Adaptations and Natural Selection
(Draper - Page 83)

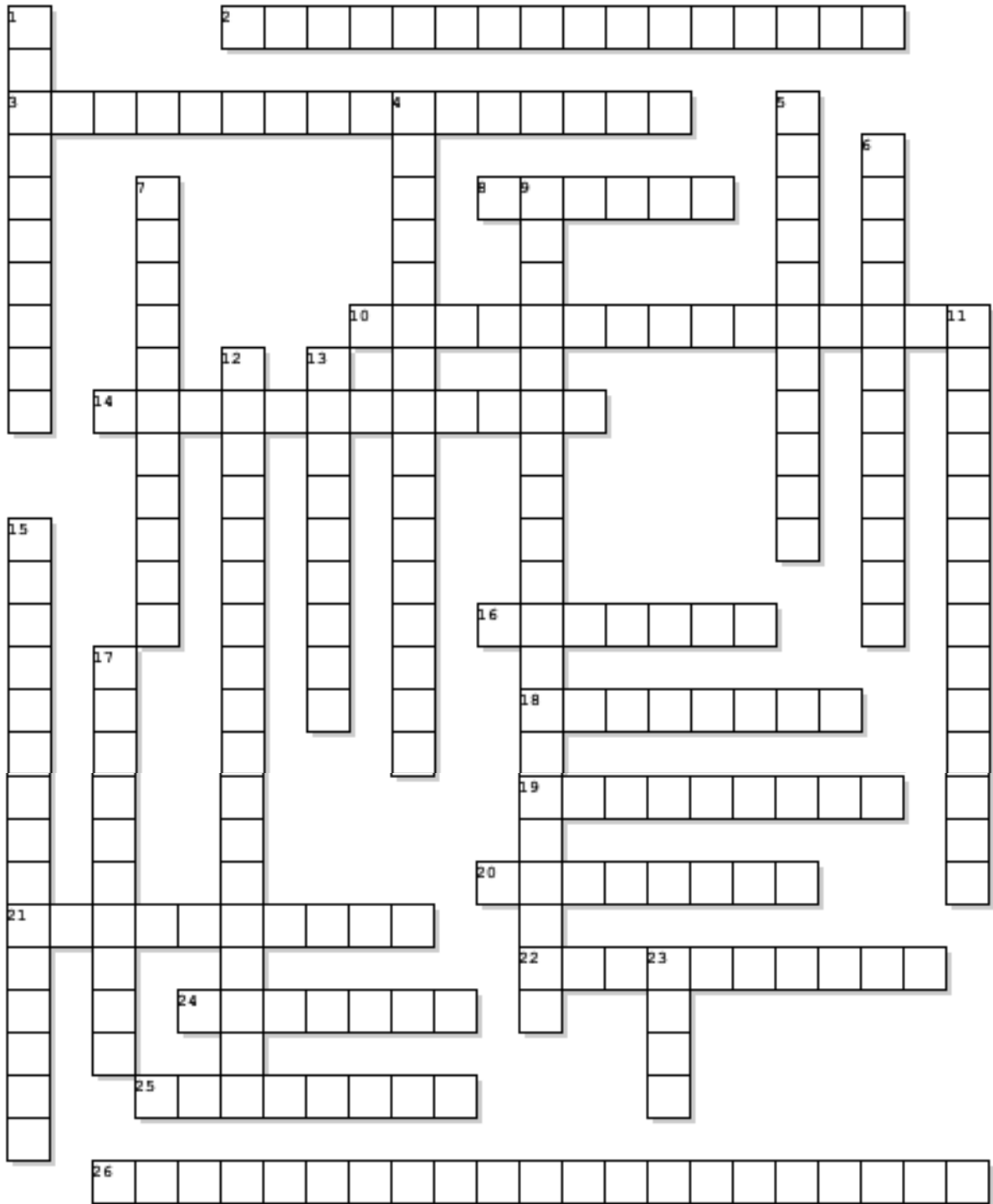Match each term on the left with the appropriate description on the right.

H 1. biological evolution

E 2. genes

B 3. gene pool

D 4. mutations

A 5. adaptation

G 6. structural adaptations

F 7. physiological adaptations

J 8. behavioural adaptations

I 9. natural selection

C 10. speciation

A. any genetically controlled characteristic (structural, physiological or behavioural) that enhances the chance for members of a population to survive and reproduce in their environment

B. sum of all genes possessed by the individuals of a population

C. result of divergent natural selection in response to changes in environmental conditions

D. random and unpredictable changes in DNA molecules that can be transmitted to offspring

E. segments of DNA found in chromosomes; impart certain inheritable traits in organisms

F. ability to poison prey, give off chemicals to repel predators, hibernate during cold weather

G. coloration, mimicry, protective cover, gripping mechanisms

H. change in inherited characteristics of a population from generation to successive generation

I. process by which the best adapted organisms survive and reproduce in a given environment

J. migration, species interactions (ie/parasitism)

Intro to Environmental Science 120

Name: _____

Date: _____

Review - Test #1

Across

2 best adapted organisms survive and reproduce

3 protective from UV radiation

8 count of a population

10 maximum rate at which a population can increase

14 process in which an increasing proportion of a population lives in cities or suburbs

16 the Lorax was this for the trees

18 S or _____ curve

19 driving force of adaptation to environmental change

20 can be caused by external environmental agents

21 elimination of a species from existence

22 act of leaving

24 structural adaptation

25 sum of all genes in a population

26 the process of assisting the restoration of an ecosystem

Down

1 formation of two or more species from one

4 the taking of a biological resource that does not excede the capacity of the resource to reproduce and replace itself

5 does not monetarily affect the producer of a good, but influences the standard of living of society

6 the variety of living things in the world

7 person who studies populations *Demographer*

9 person forced to leave his or her home because of droughts, floods, etc.

11 water

12 caused by urban sprawl, agricultural practices, etc.

13 behavioral adaptation

15 view that humans are the center of the universe

17 view that life is the center of the universe

23 segment of DNA

Attachments

Review - Unit 1.pdf

Review Crossword - Unit 1.pdf

Review Solutions.pdf