#### Environmental Science

#### Information and assignment sheet for COVID-19 school break.

- Sign up for Remind, #81010 body of text: @envirocook
- Also you will need to use Microsoft Teams, go to office.com, use your @dorchester2.k12.sc.us and login/password for powerschool
- I will be available for online office hours from 10 11 am and 2 3 pm.
- My email: edcook@dorchester2.k12.sc.us
- You can also reach me through Remind.
- If you want, download the Microsoft Teams App for your phone. It will be useful.

You will complete the following Tic-Tac-Toe Boards for the Land, Water and Air Units.

You will also complete the midterm review question packet.

Everything will be uploaded to Microsoft Teams. It is crucial that you login and join Teams.

I will post powerpoints from the relevant units. If you email me, I may be able to send you missing assignments to complete.

The focus currently is on midterm review.

Each completed Tic-Tac-Toe board will be worth 100 pts: for a total of 300 pts.

You can use your phone to complete the needed research or a desktop computer.

# ENVIRONMENTAL MÍDTERM TIC FACTOF REVIEW

Choose three assignments from the tic-tac-toe board below. You must choose one assignment from each row and one assignment from each column

Sign up for Remind, #81010 body of text: @envirocook

Also you will need to use Microsoft Teams, go to office.com, use your @dorchester2.k12.sc.us and login/password for powerschool

I will be available for online office hours from 10 - 11 am and 2 - 3 pm.

My email: edcook@dorchester2.k12.sc.us

You can also reach me through Remind.

# ENVIRONIMENTAL MIDTERIM TICTACTOF REVIEW

Choose three assignments from the tic-tac-toe board below. You must choose one assignment from each row and one assignment from each column UNIT: LAND AND WATER YOUR PHONE SHOULD WORK FINE FOR ANY RESEARCH NEEDED: CAN ALSO USE A DESKTOP IF YOU HAVE ACCESS

Create and record yourself giving a 5 minute lesson on the topic to someone - or -create a narrated PowerPoint or YouTube video	Create a total of 10 questions including at least 5 that have real world/cultural examples with an answer key  You may also write short answer and word problems.	Read an online website about the unit and write your own thorough notes  Environmental Science Water  Environmental Science Land
Create a visual including 5 vocabulary terms from the unit in one graphic Visual may be print or digital. Options: infographic, PowToon, comic strip, Flipbook etc	Write a story using a topic from the unit Role: Who or what are you as the writer for example: student, a teacher, environmental scientist or a public/history Choose 1 audience from the following: 1) early elementary aged child 2) grandparent 3) peer Format: Written clearly or typed	Write a school appropriate song, rap or create a tic tock to demonstrate, teach or review a topic in the unit  Submit it in print or with a link to the online access
Create a vocabulary list of 15 terms from the unit.  Give the term, definition, and example Use an online search: environmental science land vocab or environmental science water vocab	Make a poster – it can be as colorful and creative as you like. It must include at least 1 vocabulary term from the unit and have a visual example to explain it.	Watch a video related to a land or water disaster and take one page of notes (examples: 3 mile Island, Chernobyl, pollution, remediation, superfund sites, Deep Water Horizon)

# ENVIRONIMENTAL MIDTERIA TIC TAC TOE REVIEW

Choose <u>three</u> assignments from the tic-tac-toe board below. You must choose one assignment from each row and one assignment from each column UNIT: AIR YOUR PHONE SHOULD WORK FINE FOR ANY RESEARCH NEEDED: CAN ALSO USE A DESKTOP IF YOU HAVE ACCESS

Use an online search: environmental science air vocab  Make a poster – it can be as colorful and creative as you like. It must include at least 1 vocabulary	k etc	Create and record yourself giving a 5 minute lesson on the topic to someone - or -create a narrated PowerPoint or YouTube video  Create a total of 10 questions including at least 5 that have real world/cultural examples with an
		answer key Use the midterm study guide questions as examples to format multiple choice questions. You may also write short answer and word problems.
Watch a video related to an air related environmental topic (pollution, ozone layer, acid rain, etc.) and take one page of notes	Write a school appropriate song, rap or create a tic tock to demonstrate, teach or review a topic in the unit  Submit it in print or with a link to the online access	Read an online website about the unit and write your own thorough notes  Environmental Science Air

## Environmental Science 2019 Final Exam Review

## Unit 1 - Why Study Environmental Science?

- During which period did work shift from human and animal power to machine power?
- 2 When did most hunter-gatherer societies become extinct?
- Which period impacted the environment by increasing the use of fossil fuels?
- 4. Most of today's environmental problems began during:
- Hunter-gatherers generally have a stable population size because:
- An ecological footprint is:
- 7. Which federal agency is in charge of enforcing the Endangered Species Act?
- 8. Which federal agency is responsible for enforcing the Clean Water Act?

;; .

## Unit 2 - Land

- Leaving the land unused for a time is one method to sustain the productivity of:
- 10. Why is deforestation an especially serious problem in tropical rain forests?

## Environmental Science

- 2019 Final Exam Review
- The designation of a wilderness area provides:
- 12. Removing CO2 from the air is one of the most important ecosystems services provided by:
- Environmental damage to wilderness areas may worsen as:
- 14. The most common use of rangeland in the U.S. is for:
- 15. Which environmental problems was addressed by Hardin's "Tragedy of the Commons" essay?
- 16. Given that most people live in urban areas, why should rural areas be preserved?

## Unit 3 - Water

- 17. What percent of the world's water is saltwater?
- 18. Where is most of the freshwater on Earth located?
- 19. The temperature on land near Folly Beach is warmer than the temperature on land in Summerville. This is because water resists a change in temperature. What is this property of water called?
- 20. What is another name for a drainage basin?

## Environmental Science 2019 Final Exam Review

<ol> <li>Conserving water, reducing water pollution, and developing new methods to provide fresh water are all</li> </ol>
th water are all

ß
What
S,
6
argest water shed
<u>6</u> ,
n the U.S.?
i

ũ
γď
are
07119
E .
Š
desa
ination
plants
필
Ser

24. Determine which of the following are sources of point-source pollution and which are sources of non-point-source pollution:

Runoff from city streets

ts acić precipitation

a leak in a gas tank

Runoff from a farm

An unlined landfill

25. The level beneath the ground where rocks and soil are saturated with water is called:

26. Which living organism transmits malaria?

27. What is the largest source of nutrients that cause artificial eutrophication?

28. Phosphorus from detergents that is discharged into surface water causes:

29. The American Bald Eagle was threatened by the pesticide DDT, DDT caused their egg shells to be so thin the eggs could not be incubated by the parents. The interaction between the bald eagle and DDT is an example of:

Which living organism transmits malaria?

### Environmental Science 2019 Final Exam Review

## 31. Potable water is water that can be:

32. The increased presence of nutrients such as phosphorous in the water is largely due to poor farming practices such as high use of fertilizers and presence of fivestock near water supplies, as well as effluent and run-off from towns and nearby waterways. These increased nutrients may cause:

### Unit 4 - Air

- 33. Anything that absorbs more carbon than it releases is called a:
- 34. Where does thinning of the ozone layer occur?
- An increase in frequency of major storms and an increase in frequency of major droughts are possible consequences of:
- 36. Which activity contributes most to add predpitation?
- 38. What is the primary producer of air pollution in the US7
- 39. Which type of building is most likely to have poor indoor air quality?

٠

## Environmental Science

Environmental Science 2019 Final Exam Review

4	
What traps heat that is radiated upward from Earth?	2019 Final Exam Review

40. What traps heat that is radiated upward from Earth?	51. The Actd Rain Program is a result of theAct.
41. What pollutant forms when automobile emissions react with oxygen gas and ultraviolet rays?	52. Electric generators work by convertingenergy intoenergy.
42. Which pollutant is most likely to reach unhealthy levels in an office building?	53. Catagorize each as a renewable or nonrenewable energy sources.
	אות ב יים יים יים יים אים ויים אים וים וים אים אים אים אים אים אים אים אים אים א
43. The Earth's atmosphere acts like:	Coal डुक्ड
	OII
Unit 5 - Energy	
44. Why are fossil fuels considered not-renewable even though they are still forming today?	54. A material is biodegradable if:
45. Internal combustion engines releaseinto the atmosphere.	55. What are the two requirements for building a modern day landfill?
46. What is the main reason why fewer nuclear power plants are being built today compared to 40 years ago?	56. What two problems are associated with landfills?
47. Most of the energy consumed in the US is used for:	57. Which items make up the largest percent of waste produced by households and businesses?
48. What does a hybrid car use for power?	58. What is a common characteristic of all hazardous-waste land-disposal facilities?
49. What are the 4 main uses of fuel?	59. Which activity produces the most solid waste?
50. How does a geothermal power plant get energy?	