

QUIZ #4

Share Questions + Answers (Only if 100% Sure). Discuss Questions/Answers. Remember We Get 3 Attempts So We Can Help Each Other Score 20/20 By Attempt Three!!

Greenhouse gas emissions from Alberta's oil sands is the fastest growing source of GHGs in Canada, representing _____ of Canada's total GHG emissions in 2010.

Question 17 options:

a 3 per cent
)

b 1 per cent
)

c 5 per cent
)

d 10 per cent
)

According to the video e2 Transport: Food Miles, which other revolution has occurred in parallel to the rise of modern agriculture?

- a) Rise of organics >?
- b) Rise of international trading
- c) Rise of environmental impact**
- d) Rise of apathy

ANYBODY KNOW THIS ??

Sustained yield forestry is an example of _____

- a) Clear-cutting
- b) Forest rotation
- c) Old forestry
- d) New forestry**

Question 1

Canada's boreal forest produces _____ worth of ecosystem services annually.

\$700 billion

\$10 trillion

\$200 billion

\$500 million

According to the video e2 Transport: food miles, what is the approximate distance traveled (in miles) by food by the time it reaches your plate?

- a)800
- b)400
- c)200
- d)1500**

Canada's Model Forest program ended in _____.

- a 2010
- b 2005 (wrong)
- c 2000

d 2007

(15/20) Feel free to correct ples : d YA BC UR DUMB ← LMAO

1. In the video e2 Transport: Food miles, which community located outside philidelphia still practices agriculture as it was 100 years ago?

a)Amish

- b)Mormon
- c)Iroquois
- d)Hutterite

2. Is the change to feeding from local food sources completely sustainable?

a) Yes, completely sustainable as all food types are always available locally throughout the year.

b) No, it is completely unsustainable as there are usually no local producers interested in focusing on their local market.

c) Yes, but only in part. Relying exclusively on the local food supply is not realistic.

d) No, it is not sustainable as consumers are not interested in buying from local producers.

3. According to Video (Transport Food Miles) how much of climate change can be attributed to modern agriculture?

a) 15-20%

b) 50-60%

c) 80-90%

d) 1-2%

4. According to (Transport food miles) there is a ratio of fossil fuel energy input to food calories output of _____ in modern agriculture, whereas in traditional agriculture this ratio is _____.

a) 100:1/10:1 wrong one RIGHT THOUGH U R DUMB AND STUPID

b) 10:1/1:2

c) 100:1/1:1

d) 10:1 / 2:1

5. Berries, maple syrup, mushrooms and seeds are all _____.

a) Non timber forest products

b) All of the above

c) Imported into Canada

d) Invasive species

6. Forest nutrient capital can be maximized by _____.

a) Long rotation of harvest sites, stem harvesting

b) Long rotation, harvest sites, whole tree harvesting

i) Short rotation, harvest sites, whole trees harvesting

c) Short rotation, harvest sites, stem harvesting

7. Annual allowable cut (AAC) is influenced by _____.

a) Quality of species being harvested

b) Growth rates in trees

c) Amount of protected land

d) All of the above

8. Canada's forest cover ____.
- a) Almost half the country's land
 - b) Larger area of the more populated provinces and territories
 - c) More of southern Canada than northern Canada
 - d) All of the above
9. Canada has _____ of the world's forests.
- a) 1/20th
 - b) 3/5ths
 - c) 1/10th
 - d) 4/5ths
10. Almost _____ of Canada's boreal forest is allocated to industry and open harvesting
- a) 70% **WRONG**
 - b) 50% **CORRECT WRONG**
 - c) 30%
 - d) 10%

??? what's right for this one??

^^^ LOL WTF????

11. Most of Canada's forests are managed by ____.
- a) Federal gov
 - b) Individual farmers
 - c) Timber companies
 - d) Provincial and territorial govts
12. What is the root cause of acid mine drainage? **IS**
- a) Hydroelectric energy production near old mine sites
 - b) Burning of fossil fuels near mines
 - c) Drilling of test wells
 - d) **Separation of sulphide bearing minerals from other minerals** i got this
13. On what time scale are non renewable resources formed?
- a) Thousands of years
 - b) Millions of years
 - c) Hundreds of thousands of years
 - d) Hundreds of years
14. Which of the following is an eg. of a renewable source?
- a) Coal
 - b) Minerals
 - c) Natural gas
 - d) **Solar radiation**
15. The vast majority of potash used for ____.
- a) Electronic components
 - b) Manufacturing
 - c) **Fertilizer**
 - d) Biocides
16. Where is Canada's third diamond mine?

- a) Ontario
 - b) Nunavut**
 - c) Northwest territories ← i got this me too!!!**
 - d) quebec
17. what indicator mineral is associated with diamonds?
- a) Pyrite
 - b) Asbestos
 - c) Yellow quartz
 - d) Pyrope garnet**
18. Which of the following is no longer an area of oil production in Atlantic canada?
- a) Sable island**
 - b) Hibernia
 - c) White rose
 - d) Terra nova
19. Largest problem with adopting the new technology of renewable resources is ____.
- a) Long term maintenance costs are much higher than those for fossil fuels
 - b) Evaluating scientific and economic impacts
 - c) Technological advances have not been made in last 30 years to meet our energy needs
 - d) That the start up costs may be high**
20. Compared to the use of fossil fuels, wind energy *** yea this question has two answers with the same wording...**
- a) Is more consistent
 - b) Produces no exhaust**
 - c) Is not renewable
 - d) Is more consistent

HELLO ANYONE KNOW THIS?? Thanks

Approximately _____ of Canada's forests can be classified as old growth

- a) 10%
- b) 18%
- c) 5%
- d) 30%**

Is this right????/ QUICK

Large-scale forest harvesting promotes climate change via_____

- a) All of the above
- b) Increasing soil erosion
- c) Reducing water storage capacity
- d) Releasing stored carbon

“Community Forest Agreements” are _____

- a) System of forest tenure that protects forest lands from all human uses
- b) Incompatible with the maintenance of recreational opportunities
- c) A component of Canada's Forest Act
- d) Form of forest tenure in B.C. that is designed to allow more public participation in management

Glyphosate is _____ bio

- a) banned substance
- b) known to suppress the growth of coniferous trees
- c) fertilize
- d) commonly used herbicide

Nuclear energy is considered renewable when it produces _____

- a) Geothermal heat
- b) Fossil fuels
- c) Tidal energy
- d) Uranium

Geothermal heat occurs near the Earth's surface in what country?

- a) Brazil
- b) Iceland this is correct
- c) U.S.
- d) Canada

Where are Canada's first 2 diamond mines located?

- a) Nunavut
- b) Ontario
- c) Quebec
- d) Northwest Territories

Kimberlite is _____

- a) Metamorphic rock
- b) Sedimentary rock
- c) Kind of granite
- d) Igneous rock

Kimberlite pipes are important because _____

- a) Indicate nickel deposits nearby

- b) Sometimes contain diamonds
- c) Used for building materials
- d) Indicates gold nearby

The Early Industrial Revolution primarily relied on fossil fuels to

- a) Run gasoline engines
- b) Generate heat and electricity
- c) Run power plants that generated electricity → is it this?
- d) Generate steam

Globally, more than 80% of all primary energy for today's economics comes from_____

- a) Biofuels
- b) Fossil fuels
- c) Nuclear power
- d) Hydropower installations

According to the video e2 Transport: Food Miles, a 265-lbs pig will be confined in a factory farm to a space of what size?

- a) 36- 40 square feet
- b) 9-10 square feet
- c) 72-80 square feet
- d) 18-20 square feet
- e)

According to the video e2 Transport: Food Miles, who is treated fairly in fair-trading of food?

- a) Farmers
- b) Consumers
- c) Animals
- d) All of the above

According to the video e2: how much of climate change can be attributed to modern agriculture?

- a) 80-90%
- b) 50-60%
- c) 1-2%
- d) 15 -20%

According to the video e2: what does the price of food in north america reflect?

- a) Poor accounting of costs
- b) Externalization of costs
- c) Overestimation of costs

d) Internalization of costs

According to the video e2: what distinguishes pastured chicken and pig from typical farm animals?

A) less sunshine and freedom to move outside

B) more sunshine and freedom to move outside

C) more hormones in their diet

D) more antibiotics in their diet

Feel free to highlight answers:

Canada's forests cover _____.

a almost half of the country's land area

b a larger area of the more populated provinces and territories

c more of southern Canada than northern Canada

d all of the above

How many Canadians were directly employed in the timber industry in 2010?

2,225,000

2,500

222,500

22,500

Grizzly bears are common denizens of which province?

Manitoba

Quebec

British Columbia

Ontario

The amount of nutrients removed from harvesting depends upon _____.

extent of harvesting

tree species

harvesting method

all of the above

Woodland caribou, marbled murrelet, and spotted owls are all _____.

a endangered or threatened species (i think)

b specialists

c second-growth dependant

d all of the above

International food agencies have been forced to scale back the volume of their aid due to _____.

a) conflict in countries where aid is needed

b) a 35 per cent increase in the cost of food

c) rising shipping costs

d) both a and b

e) both b and c

The development of pigs that produce lower phosphorus manure is the outcome of _____.

a hybridization

b the Green Revolution

c genetic modification

d the use of biocides

How many hectares are now under agricultural production globally?

a 410 million

b 1.2 billion

c 870 million

d 1.5 billion - possibly this

Ploughing alters soils _____.

a chemically

b through auxiliary flows

c **physically** - possibly this

d by mixing with air

A biocide is a(n) _____.

fungicide

pesticide

herbicide

insecticide

all of the above

Which of the following factors has led to the spread of mountain pine beetles in BC?

a) The presence of large stands of uniformly mature pine trees

b) Accidental introduction of the species

c) Excessively cold winter temperatures

d) All of the above

The spruce budworm is currently controlled by the application of _____.

a) fenitrothion

b) Mimic (this is the answer no its not u smell like poop)

c) DDT

d) none of the above

What proportion of BC's coastal temperate rainforest has already been logged and reforested?

a) 5%

b) 30%

c) 25%

d) 20%

The most urbanized ecozone is

a) **Mixed wood plains**

b) The boreal shield

c) The pacific maritime

d) The montane cordillera

ekati gross value question: 9.5 billion

How many carats the ekati mine produces annually? 4.5 mill

Worldwide, more than ____ people depend on forests for their livelihoods

a) 9.3 million

b) 3.9 million

c) 1.6million

d) 1.6billion

energy sources include ____: **heat from burning firewood This is not correct**

What proportion of canadian aboriginal peoples live in forest? **80%**

What percentage of global greenhouse gas emissions does deforestation account for? **20**

What type of dam was proposed to hold tailing in long lake? **Rock-fil dam**

Hi

Biocides are used in canadian's forests to: **protect conifer seedlings from insect damage**

CONFIRM? SEEMS LIKE AN ALL OF THE ABOVE ANSWER?

-maximize the growth of early successional species

-increase competition with seedlings on replanted sites

-protect conifer seedlings from insect damage

-all of the above

Do we know this yet??? YES IT IS AOTA

The ekati mine produces ____ pf rough diamonds annually? **4,500,000 carats**

c

Forest harvesting alters hydrologic cycles via: **increasing the amount of water released into stream flow WRONG THIS IS SO WRONG**

According to the video e2 Transport: food miles, which of these is a major environmental impact associated to from agriculture? **Shift in the balance of species**

The canadian model forest network involved core issues such as ____: **both a and b**

national forest strategy coalition was :oversee....

According to the video e2 Transport: Food Miles, what does the price in North America Reflect?

- a) Internalization of costs
- b) Poor accounting of costs
- c) Externalization of costs**
- d) Overestimation of costs

What is the falldown effect?

- a) Impact of falling trees on wildlife
- b) Drop in timber volume between old growth and second growth forests (this one?) Yes
- c) Reduction in age at maturity of harvested species
- d) None of the above

Which of the following is a component of new forestry?

- a) Long rotation periods
- b) Removing non-timber species
- c) High chemical inputs
- d) All of the above

The boreal ecozone cover approximately _____ Canada's land mass.

- a) 22
- b) 58
- c) 73
- d) 35

According to the video e2 transport: food miles, which energy source has been replaced by fossil fuels in modern agriculture: **solar energy**

Which river system is vulnerable to water withdrawal and pollution arising from oil sands operations: **Athabasca**

Solar power is a viable energy solution because: **all of the above**

Wind energy converts _____ energy into mechanical energy or electricity: **kinetic**

The adv of wind power include that: **all of the above**

What is the main type of energy consumed by Canadians today? **Fossil fuel energy**

How are sulphur dioxide emissions created? **Both b and c**

What is the root cause of acid rain drainage? **The separation of sulphide-bearing ore minerals from other minerals**

Fossil fuels are considered non-renewable sources of energy because: **their formation is so slow**

Biomass energy include: **heat from burning firewood**

The boreal horn plateau in the NWT was slated for protection until 2020 when, without consultation, the federal government opened the area for: **mineral staking**

According to e2 transport: food miles, how many people can be fed by an american farmer for a year? **126**

In the video e2 transport: food miles, which type of environment is cited as an example where the principle of producing food locally is unsustainable? **Desert**

Forest harvesting alters hydrologic cycles via: **increasing the amount of water released into stream flow**

Many uses of asbestos are no longer considered acceptable because of its role in: **causing cancer**

'Ekati' is: **the Dene word for 'fat lake'**

Alder, birch, cherry, elderberry and blackberry are ____: **early successional species**

According to the video e2 transport: food miles, which of the following is a general rule that applies to modern agriculture? **Food that travels the least has a deeper ecological footprint**
<<< are you sure about this? Seems wrong..that's cause it is lol...more has deeper kek

Biomass sources include: **all of the above**

Choices of energy sources is based on: **all of the above**

The chernobyl nuclear accident about 25 year ago: **spread large amounts of deadly radiation over thousands....**

The decline of the northern spotted owl has been mainly attributed to: loss of sustainable habitat due to logging

Effects attributed to chernobyl: increased incidence of thyroid cancer, may be have not been extensively reported

"New renewables" are ____: **solar, wind and geothermal**

Hubbert peak accurately predicted ?? 1970 (I think ?)
accurately predicted that US oil production would peak in 1970,

In the video e2: transport, food miles. How does Michael Pollan qualify modern agriculture , in which food travels thousands of kilometres?

- a) Ban on biocide
- b) Ban on non local foods
- c) Vegetarian food
- d) **Fair food market**

The United states represents about 4.5 % of the worlds population yet consumes

- a) 15%
- b) 50%
- c) 5%
- d) **25%**

^^ any one know this??

Extracting bitumen from oil sands has a negative enviromental effect on ____.

??? **i think all of the above**

Today most of Canadian forests are harvested by?

Selective cutting

Clear cutting yes this one

Comercial thinning

None of the above

^^^ anyone????

How many terrestiral ecozones in Canada

15

White dog cafe : **The emphasis on Local food**

In the video e2: transport: food miles, in addition to reducing the carbon footprint, which other advantages does buying localled produced food have?

- A) Food tastes better
- B) Food is more nutritious
- C) Provides support to local economy
- D) **All of the above ??????? yes**

Boreal shield is _____

A) the most highly represented in Canada's system of protected ecosystems

b) mainly made up of tundra

c) canada's largest terrestrial ecozone

d) all of the above

The longest living tree species in Canada are

- a) Cedars → i think . Correct!
- b) Firs
- c) Spruces
- d) Pines

The United Nations Forum on Forests agreed on four objectives including _____.

- a) Reducing forest-based benefits
- b) All of the above (this is the second option...?)
- c) Increasing loss of forest cover worldwide
- d) **Improving livelihoods of forest-dependent people**

Today, most of Canada's forests are harvested by:

- a) Selective cutting
- b) **Clear-cutting (I think)**
- c) Commercial thinning
- d) None of the above

The main environmental issues for mining sectors are _____

- a) Metal toxicity
- b) **Acid mine drainage** i think this one
- c) Sulphur dioxide emissions
- d) **All of the above confirm??**

A major foreign takeover bid for Canadian-owned potash Corp. was rejected by federal industry minister Tony Clement in 2010 because

- **"It did not present a net benefit to Canada"** this one makes the most sense to me? - think so too; read some articles
- Of partisan politics before the 2011 federal elections
- Canada is not open to foreign investment
- A and b
- B and c

The most cleanly burning fossil fuel available is

- a) Kerosene
- b) **Natural gas**
- c) Coal

What might motivate profit oriented mining and fossil fuel extraction companies to engage in environmental management

- A) Inherently ethical standpoint
- B) Long term economic returns on investment,
- C) Reduction in costly government inspection
- D) Both a and b
- E) **Both b and c** this one???

^^ anyone? (i would guess E) same because they wouldn't care about ethics if they're profit-oriented and b & c are both 'economically' related

What is potash: **potassium salt rocks**

The main environmental issues for the mining sectors are: **all of the above**

Which company opened Canada's first diamond mine? BHP Diamonds (???) - that's what I put - not sure tho :(i think de beers google says ekati? Ekati isn't an option lol ahh ekati is owned/operated by BHP

- Rio Tinto
- De Beers
- **BHP Diamonds**
- Shore Gold

Canada, Russia, The united states, brazil, and china:

- a) contain 25% of world's forests
- b) contain less than 10% of worlds forests
- c) **contain over 50 percent of worlds forests i think this one**
- d) contain over 90 percent of worlds forests

HELP ^^^^^^

How many hectares of the world's forest are lost annually to deforestation?

- a) 10,000
- b) 300,000
- c) 30,000,000
- d) **13,000,000**

Which province is Canada's leader in wind energy production?

- a) Nova scotia
- b) **Ontario--**
- c) Quebec
- d) PEI -- i think this one?

The "ring of fire" area north of thunder bay, ontario contains massive deposits of

- a) **Chromite**

- b) Calcium
- c) Potash
- d) Cadmium

In addition to reducing the carbon footprint, which other advantage does buying locally produced food have?

- a) The food taste better
- b) The food is more nutritious
- c) It provides support the local economy
- d) **All of the above**

The longest living tree species in Canada are

- a) Firs
- b) Pines
- c) **Cedars**
- d) Spruces

The main environmental issues for the mining sectors are

- a) Metal toxicity
- b) Acid mine drainage
- c) Sulphur dioxide emission
- d) **All of above**

Extracting bitumen from the oil sands has a negative environmental impact on

- a) Athabasca river
- b) The boreal forest
- c) Air quality
- d) **All of the above**

Which province in Canada's leader in wind energy production?

- a) Nova Scotia
- b) Ontario
- c) **Prince Edward Island**
- d) Quebec

The production of oil will peaking in 15 years.

MORE ANSWERS

Question 1 (1 point) Question 1 Saved

In the video e2 Transport: Food Miles, how does Michael Pollan qualify modern agriculture, in which food travels thousands of kilometres?

Question 1 options:

a)

A ban on non-local food in restaurants

b)

A ban on biocide use

c)

A fair food market

d)

A vegetarian food market

Save

Question 2 (1 point) Question 2 Saved

According to the video e2 Transport: Food Miles, how much of climate change can be attributed to modern agriculture?

Question 2 options:

a)

50 to 60%

b)

1 to 2%

c)

15 to 20%

d)

80 to 90%

Save

Question 3 (1 point) Question 3 Saved

According to the video e2 Transport: Food Miles, what is the approximate distance traveled (in miles) by food by the time it reaches your plate?

Question 3 options:

a)

400

b)

1500

c)

800

d)

200

Save

Question 4 (1 point) Question 4 Saved

According to the video e2 Transport: Food Miles, which energy source has been replaced by fossil fuels in modern agriculture?

Question 4 options:

a)

Solar energy

b)

Animal energy

c)

Tidal energy

d)

Wind energy

Save

Question 5 (1 point) Question 5 Saved

Forest harvesting alters hydrologic cycles via _____.

Question 5 options:

a)

decreasing the rate of stream flow

b)

decreasing the rate of nutrient uptake

c)

increasing the amount of water released through evapotranspiration

d)

increasing the amount of water released into stream flow

Save

Question 6 (1 point) Question 6 Saved

Berries, maple syrup, mushrooms, and seeds are all _____.

Question 6 options:

a)

non-timber forest products

b)

all of the above

c)

imported into Canada

d)

invasive species

Save

Question 7 (1 point) Question 7 Saved

What is the falldown effect?

Question 7 options:

a)

The impact of falling trees on local wildlife

b)

The **drop in timber volume between old growth and second growth forests**

c)

The reduction in age at maturity of harvested species

d)

None of the above

Save

Question 8 (1 point) Question 8 Saved

Biocides are used in Canada's forests to _____.

Question 8 options:

a)

maximize the growth of early successional species

b)

increase competition with seedlings on replanted sites

c)

protect conifer seedlings from insect damage

d)

all of the above

Save

Question 9 (1 point) Question 9 Saved

The United Nations Forum on Forests agreed on four objectives including _____.

Question 9 options:

a)

reducing forest-based benefits

b)

the above

all of the above

c)

increasing loss of forest cover worldwide

d)

improving livelihoods of forest-dependent people

Save

Question 10 (1 point) Question 10 Saved

Almost _____ of Canada's boreal forest is allocated to industry and open to harvesting.

Question 10 options:

a)

70 per cent

b)

50 per cent

c)

10 per cent

d)

30 per cent

Save

Question 11 (1 point) Question 11 Saved

How many terrestrial ecozones does Canada have?

Question 11 options:

a)

10

b)

5

c)

15

d)

20

Save

Question 12 (1 point) Question 12 Saved

On what time scale are non-renewable resources formed?

Question 12 options:

a)

Hundreds of thousands of years

b)

Millions of years

c)

Thousands of years

d)

Hundreds of years

Save

Question 13 (1 point) Question 13 Saved

Wind energy converts _____ energy into mechanical energy or electricity.

Question 13 options:

a)

potential

b)

chemical

c)

radiant

d)

kinetic

Save

Question 14 (1 point) Question 14 Saved

Nuclear energy is considered renewable when it produces _____.

Question 14 options:

a)

Uranium

b)

Tidal energy

c)

Fossil fuels

d)

Geothermal heat

Save

Question 15 (1 point) Question 15 Saved

'Ekati' is _____.

Question 15 options:

a)

the Dene word for 'granite'

b)

the **Dene word for 'fat lake'**

c)

the Cree word for 'caribou'

d)

the Cree word for 'round lake'

Save

Question 16 (1 point) Question 16 Saved

Extracting bitumen from the oil sands has a negative environmental impact on _____.

Question 16 options:

a)

Athabasca River

b)

the boreal forest

c)

air quality

d)

all of the above

Save

Question 17 (1 point) Question 17 Saved

Greenhouse gas emissions from Alberta's oil sands is the fastest growing source of GHGs in Canada, representing _____ of Canada's total GHG emissions in 2010.

Question 17 options:

a)

1 per cent

b)

3 per cent

c)

5 per cent

d)

10 per cent

Save

Question 18 (1 point) Question 18 Saved

The advantages of wind power include that _____.

Question 18 options:

a)

it does not produce greenhouse gases

b)

it does not require fuel

c)

it does not produce toxic waste

d)

all of the above

Save

Question 19 (1 point) Question 19 Saved

Most analyses of world oil reserves indicate that short of some amazing new oil field discoveries, maximum global output of oil

Question 19 options:

a)

will peak in the next 10-15 years.

b)

peaked in the 1970s.

c)

is peaking right now.

d)

peaked in 1998.

Save

Question 20 (1 point) Question 20 Saved

The Chernobyl nuclear accident about 25 years ago

Question 20 options:

a)

was cleaned up and the nuclear reactor rebuilt in 1994 and has been free of problems ever since.

b)

avoided a complete core meltdown because of heroic intervention by two men who later died from radiation exposure.

c)

spread large amounts of deadly radiation over thousands of kilometres.

d)

resulted in only five deaths and the loss of less than two square miles of land.