### Outdoor game „Depletion of natural resources”

Station 1 - Deforestation

Forests cover 31% of the land area on our planet. They produce vital oxygen and provide homes for people and wildlife. Many of the world’s most threatened and endangered animals live in forests, and 1.6 billion people rely on benefits forests offer, including food, fresh water, clothing, traditional medicine and shelter.

Game rules:

This game is a quiz about deforestation. First you will get some information and the you will get 10 questions with 5 possible answers. For each question you get 1 point.

Participants pick a question from a basket and answer it by ticking the answer sheet. Questions might not be in order so if the same question comes up it must be put back and another one chosen, Points are given according to the time used in answering all the question and their correctness.

(10 points for all questions. 10 points will be given according to the time)

1.What is deforestation?

1. When people defrost all the trees in a forests.
2. When people cut down trees
3. When people cut down whole forest areas and other types of ecosystems
4. When people move forest to a different area
5. When people burn forest

2. Deforestation effects?

1. Trees
2. Animals
3. Humans
4. The Earth
5. All of the above

3. How many species have disappeared this year?

1. Over 10
2. Over 100
3. Over 10,000
4. Over 20,00
5. Over 40,000

4. How much of our planet is covered in forests?

1. 4/5
2. 2/3
3. 1/4
4. 1/3
5. 1/5

5. How can forests be increased?

1. Natural regeneration
2. Planting new trees in previously unforested areas
3. Replanting trees in deforested areas
4. All of the above.
5. None

6. How much forest area is lost per minute because of deforestation?

1. 10 football fields.
2. 100 Square Acres
3. 2 square miles.
4. None of the above.
5. A lot.

7. What are some of the effects on the environment due to deforestation?

1. Loss of biodiversity & habitats.
2. Soil erosion.
3. Disrupts the water cycle-less water makes it to the atmosphere.
4. Trees remove carbon dioxide from the atmosphere-a cause of global warming. Less trees means less CO2 being removed from the atmosphere.
5. All of the above.

8. At the current rate of deforestation, it is estimated that half of the Amazon rainforest will be gone by:

1. 2020
2. 2075
3. 2012
4. 2200
5. 2030

9. Rain forest land is most often cleared for? (multiple choice/ 0.5 each)

1. Factories
2. Businesses
3. Pasture
4. Farmland
5. Parks

10. Farmland that is in a cleared area of rainforest can usually support crops for how long?

1. 3 years
2. 20 years
3. Forever
4. 10 years
5. 50 years

Right answers

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | A | B | C | D | E |
| 1. |  |  | x |  |  |
| 2. |  |  |  |  | x |
| 3. |  |  |  |  | x |
| 4. |  |  |  | x |  |
| 5. |  |  |  | x |  |
| 6. | x |  |  |  |  |
| 7. |  |  |  |  | x |
| 8. |  |  |  |  | x |
| 9. |  |  | x | x |  |
| 10. | x |  |  |  |  |

Station 2 – Mining

Start with one person who runs into another room and reads a sentence. Then he/she comes back and tell the sentence to the other ones out loud and someone writes it down. Then it is the next ones turn to do the same thing but with another sentence. When everybody is done they will have to try to put it in the right order. If they have the full artikel right they will get 20 points, if the order is right they will get 10 points, if the order isn’t completely right they will get 2 points for each right order per sentence. They will get 2 points for every right sentence and 1 point for a half right sentence.

**Svensk artikel**

1. Metall användningen ökar i världen och vi behöver bemöta det på ett eller annat sätt.
2. Att bemöta det behovet genom att öppna fler gruvor är inte en långsiktigt hållbar metod.
3. Gruvdrift ger oerhört och oåterkallelig påverkan på miljön.
4. Fortsätter brytningen av metaller i samma takt och med samma vårdslösa behandling av natur,
5. så kommer arbetstillfällen försvinna i lika rask takt som de skapas.
6. Notan för saneringen kan bli dyrare än det kommunen eller nationen tjänar tillsammans.
7. Ett skadat grundvatten pga dränerade vattenkällor, förgiftning eller försaltning är ett hot som inte kan undgås.
8. Dessutom finns en inneboende klassisk utlands problematik i det ständiga skapandet av nya gruvor.
9. Kommuner tenderar att bli totalt beroende av arbetstillfällen i en gruva som på sikt skadar deras livsmiljö.
10. Turismen i Sverige drar idag in mer pengar än exporten av fordon, järn och stål tillsammans.

Station 3 – Fossil fuels

Description

It’s a puzzle. But to get the pieces you have to answer right on a question. We have 6 question and every time you answer right on the questions you get 3 pieces of the whole puzzle, it’s 18 pieces.

The points are 4, 8, 12, 16, 20. The group who do the puzzle the fastest gets the highest point and so on.

The questions

1.Which of these are example of fossil fuels?

A. Coal

B. Tidal Energy

C. Timber.

2.What is fossil fuels considered as type of?

A. Renewable Energy Fuels
B. Non-renewable Energy Fuels
C. Biomass Fuels

3.What causes Fossil Fuel?
A. Fuels that causes clouds
B. Fuels that causes Acid Rain
C. Fuel that causes bread mold

4.What does the fuel mainly contains?
A. High Percentage of Carbon and Hydrocarbons
B. High percentage of carbon and silicon
C. High Percentage of Water and hydrocarbons

5.Approximately how long does it took to form fossil fuels
A. About 150-200 years
B. Over trillions of years
C. Millions of years, and sometimes exceeds 650 million years

6.There has been many event occurring today due to oppose energy derived from fossil fuels, called "Fossil Fools Day". When it is?
A. February 16th
B. April 1st
C. March 1st

The right answers

1. A
2. B
3. B
4. A
5. C
6. B

Station 4 – Overfishing

Goal: Finish with as many dishes in the sea as possible

Points: Depending on how many fishes you have left in the sea

 - 0 fishes = 0p

 - 40 fishes = 20p **MAX**

Gameplay:

Divide the 5 groups into 4 smaller subgroups. Max 4, but can be less.

- Start with 20 fishes in the sea

- Let the oldest one start by taking max 6 fishes from the sea.

- Let the next one take Max 6 fishes and go around until everyone has taken as many fishes they want with a maximum of 6 fishes.

- If there's any fish left they will double until the next round. But it can’t be over 40 fishes in the sea.

- The second one who took fish in the first round, starts the second round.

- Repeat this for, example, 6 times.

- The one with the most fish wins!

Work together in your group and leave as many fishes as you are able to in the sea. But catch as many fishes as you can! The amount of fish you have left in the sea - the amount of points you'll get!

But don't forget the maximum of 40 fishes in the sea. If you overrun the amount of fishes, you'll lose points instead. 2 fishes over - 4 points etc.

Material - Guideline

* Long benches form as a rectangle = the sea
* A lot of beanbags = fish

Station 5 – Water

Water is very important for all the world population, many people in less developed countries have no access to water and so they have to carry for long distance heavy bags of water every day. For example we have Africa, the women carry heavy container to take the water to their houses.

You have one group of people and you need to split up in 2 teams. In every team you have to be 2 and at most 4 people. The teams are going to carry the water from one point to another. You are going to have two buckets: In the first bucket there are 2 liters of water and the other one is empty. Between the 2 containers is the distance ca 10 meters. The participants have to carry the water with a cup, who pours in less time and who loses less water wins the competition. You need to remember that just one person from each time can run at time

Tip: If you don't have the measurement scale on your bucket you can use a wave and remember that one liter is one kilo. ,