

# OZZY OZONE GAME

- o 2-6 players
- o For 9-99 years old



Zoe Ozone

## Rules of the game:

1. You need a die and checkers to play.
2. The youngest player starts by tossing the die and advancing the number of squares indicated on the die.
3. In every square with text you should read out Ozzy's message.
4. When you reach a square that contains a ladder, you will climb up to the indicated square.
5. When you reach a square that contains a snake, you will slide down to the indicated square.
6. The winner needs the exact number on his/her die to reach the last square. If the number on the die is more than is required to reach the last square, you must move forward to the last square and then move backwards as many numbers that are left over.



Ozzy Ozone

OZZY AND ZOE OZONE help children protect themselves from the sun's harmful UV-rays. They give you practical tips on how to enjoy the sun safely and how to help save the Earth's ozone layer.

## ACKNOWLEDGEMENTS:

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The Ozzy Ozone character is a registered trademark of the Government of Barbados. UNEP would like to thank the Government of Barbados for its permission to use this character.

UNEP would also like to thank Environment Online (ENO): A Global Virtual School for Sustainable Development for the use of their Frank the Frog character and their continuous promotion of Ozzy Ozone materials through ENO school network. ([eno.joensuu.fi](http://eno.joensuu.fi))

The adapted Ozzy and Zoe Ozone characters are created by Nikos Koutsis ([www.koutsis.com](http://www.koutsis.com)) and this board game is rewritten and designed by Saija Heinenon.

This game is linked to UNEP's TUNZA strategy for children and youth.



TUNZA



TUNZA Tunas Hijau

100 You have become... ...AN OZONE LAYER PROTECTOR! 	99 It is easy to protect the skin from the bad effects of the UV rays	98 Halons used in fire extinguishers cause ozone layer depletion	97 Global warming may delay the ozone layer's recovery	96 Animals' fur protects them from the UV rays	95 Ozone layer is saved! 	94 Not spreading the message about ozone layer protection 	93 When the hippos don't hide in the water, they secrete oil that acts like a sunscreen	92 People understand the importance of ozone layer protection 	91 HCFCs have been used to replace CFCs because they are less harmful to the ozone layer
81 Helping the recovery of the ozone layer and not contributing to global warming 	82 UV Index under 2 means low, and UV Index higher than 10 means extreme radiation	83 Sunbathing without sunscreen when the UV index is 8 	84 When the UV Index is high you can sunburn more easily	85 Rabbits avoid the sunlight by hiding in their holes during the day 	86 Avoiding the sun's dangerous UV rays 	87 Ozone depleting substances (ODS) break the ozone molecule causing the ozone layer to thin	88 Not recycling properly 	89 In developing countries CFCs and halons have to be phased out by a) 2010, b) 2015 or c) 2020?	90 People don't understand the importance of ozone layer protection 
80 The UV Index expresses the level of UV radiation at the earth's surface	79 Not wearing sunscreen, hat and sunglasses in sunny weather 	78 Human activities have increased the quantity of ozone in the lower atmosphere	77 Use of non-CFC sprays 	76 Rabbits avoid the sunlight by hiding in their holes during the day	75 Risk of eye-cataracts, premature ageing of the skin and skin cancer	74 Ozone in the lower atmosphere is dangerous; it can cause lung diseases, sore throat and asthma	73 Healthy eyes 	72 About 90 % of the ozone (O <sub>3</sub> ) in the atmosphere create the protecting ozone layer, the rest is in the lower atmosphere	71 People don't understand the importance of ozone layer protection 
61 In developing countries, methyl bromide will be phased out by a) 2010, b) 2012 or c) 2015?	62 Strong UV radiation harms plankton and affects the marine food chain	63 Strong UV radiation slows down plants germination process	64 We need sunlight so that our body can produce a) vitamin A, b) vitamin D or c) vitamin E?	65 Ask your friends and family to choose products that do not contain ozone depleting chemicals	66 The closer you get to the equatorial regions, the higher is the UV radiation level	67 Use of a pesticide that contains methyl bromide	68 UV rays cause premature ageing of the skin	69 In which year did the scientists Molina and Rowland discover the link between CFCs and ozone layer depletion?	70 The effects of sunburn can appear many years later as skin cancer
60 Gorillas protect themselves from UV rays by doing most of their activities in the morning and late in the afternoon	59 Ozone layer is saved! 	58 The stratosphere is the upper part of the atmosphere	57 The level of UV radiation is very high in, on and at the sea	56 Use of sunscreen, a hat and sunglasses on a sunny day 	55 The ozone layer is in the stratosphere, 15-50 km above your head	54 Use of a pesticide that contains methyl bromide	53 Ozone layer is saved! 	52 CFCs are used in refrigerators, air conditioners and sprays	51 At what time of the day is UV radiation strongest: a) 8h-14h, b) 10h-16h or c) 12h-18h?
41 Chimpanzees live in the forests where the trees and leaves filter the sunbeams	42 In December the UV radiation level is higher in Australia than in Europe	43 The letters CFC come from ChloroFluoroCarbon which is used as coolant	44 The level of UV radiation is very high in, on and at the sea	45 Children are particularly at risk from the bad effect of UV rays, because their skin is thinner	46 Ozone layer is saved! 	47 UV radiation is generally highest during the summer months	48 Higher altitudes receive more UV radiation	49 Where was the first ozone hole found in 1985?	50 Not wearing sunglasses in sunny weather 
40 When is the International Ozone Day?	39 Too much exposure to the sun can hurt your skin 	38 The Montreal Protocol has helped fight global warming: CFC is also a greenhouse gas!	37 Not using products with CFCs or HCFCs	36 UV radiation is always high at the equator	35 Releasing dangerous chemicals into the atmosphere 	34 UV-B radiation can cause eye cataracts and blindness	33 a) 50%, b) 70% or c) 90% of UV rays can penetrate a light cloud?	32 Wear sunglasses in sunny weather!	31 UV-C rays are extremely strong but they are all filtered by the ozone layer
21 Use of pesticides that don't harm the ozone layer	22 UV-A rays are the least strong and they are not filtered by the ozone layer	23 UV radiation is higher when the rays are reflected on the sand, water or snow	24 Use of CFC sprays! 	25 Clouds don't filter UV rays completely	26 OZONE LAYER DEPLETION 	27 UV-B rays are strong and dangerous and they are partly filtered by the ozone layer	28 Polar bears have special eyelids that work like sunglasses; they protect their eyes from the sun's reflection on the white snow	29 Use of fire extinguishers that contain halons	30 Ozone layer depletion causes increased UV radiation
20 Use of an air conditioner with CFCs	19 Where the sun's dangerous UV-rays don't reach so easily? a) in water, b) in the shade or c) on a glacier?	18 In summer 2005 the Northern ozone hole covered all of Europe	17 Ozone depleting substances (ODS) include common chemicals like CFCs, halons and methyl bromide	16 Use of the ozone-friendly fire extinguisher	15 Because children are growing, they are particularly at risk from the bad effect of UV rays	14 UV radiation weakens our bodies' immune systems	13 All kids and parents should help protect the ozone layer	12 UV is a short way to say UltraViolet	11 Ozone molecules are composed of a) 2, b) 3 or c) 4 oxygen atoms?
1 UNEP	2 OZONE LAYER DEPLETION 	3 OZONE LAYER DEPLETION 	4 We need sunlight, but some of its UV-rays are more dangerous than others	5 The ozone layer is a thin invisible shield	6 Use of a non-CFC refrigerator	7 As sunlight passes through the atmosphere, all UV-C and most of UV-B radiation is absorbed by ozone, water vapour, oxygen and carbon dioxide	8 OZONE LAYER DEPLETION 	9 Rhinos protect themselves from the dangerous UV rays by rolling over in the mud	10 Ozone molecules are composed of a) 2, b) 3 or c) 4 oxygen atoms?