Career Exploration Assignment

Ologies

You may ask… what does “ology” or “ologies” mean?

Ology or Ologies refers to “subject of interest, a branch of study”.

For example, if someone studies the mind and how it works, they may be a psychologist. If someone studies rocks and minerals, they may be a geologist.

In this class, we will have the opportunity to listen to various conversational science topics of your choosing. Choose 5 topics listed below that interest you and answer various questions in regards to that ologist. You’ll have a chance to learn about what they study, how they got into what they study, their favourite and least favourite things about what they study, learn about what they study, etc. Please note: there is some adult language with some of these episodes, if any of the language offends you, you can choose another episode that suits you better. It’s conversational science, these are real people who study real subjects/topics.

**You can listen to the episode either three ways:**

1. **Podcast App on your Phone**

You can listen to the Podcast through the Podcast app if you have it on your phone by typing in the title “Ologies”. Once you have found the Ologies podcast in the app on your phone, download it, and then find the episode you wish to listen to (make sure it is on the list I’ve provided). Side note: I’ve attached on the list of episode topics which number episode it is.

1. **Go to the Website www.alieward.com/ologies**

If you’d rather listen over the computer or don’t have a podcast app, you can go to the website [www.alieward.com/ologies](http://www.alieward.com/ologies) and find the topic you are looking for on there. In the top right there is a button called “Ologies”, click it and it should bring up a list of the ologies episodes in order from most recent displayed first to the oldest. You may need to click the “older” button at the bottom of the screen to display older episodes. Or you could search the key word in the search bar and it may show up. I have attached on the list of episodes topics which dates they were released to help you find the episode better.

1. **Go to the website** [**https://www.alieward.com/ologies-extras?rq=transcripts**](https://www.alieward.com/ologies-extras?rq=transcripts)

If you’d rather read the transcripts (read what they say) instead of listening, you can read them at this website. The choices are limited as to which episodes you can listen to. I’ve listed which episodes are transcribed as well as listen. The bleeped versions of the episodes are also on this page.

**To do:**

1. Pick a topic from the list provided
2. Listen to the interview fully either on the website or through the Podcast App
3. Answer questions based on episode
4. Submit on due date

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| **Career Exploration Submission** | **Topic of Choice****\*Include both scientific name and topic****Ex: Paleontology (Dinosaurs)** | **Date Due** |
| **1** |  |  |
| **2** |  |  |
| **3** |  |  |
| **4** |  |  |
| **5** |  |  |



**List of Approved Episodes**

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| --- | --- | --- | --- |
| **Episode Topic** | **Episode #:****(Podcast App)** | **Date Released****(Online)** | **Transcript Available** |
| Volcanology**(Volcanoes)** | 1 | September 20th, 2017 | Yes |
| Primatology**(Monkeys and Apes)** | 2 | September 25th, 2017 |  |
| Paleontology **(Dinosaurs)** | 3 | October 5th, 2017 |  |
| Gemology **(Crystals and Gems)** | 4 | October 10th, 2017 | Yes |
| Horology **(Watches)** | 5 | October 17th, 2017 | Yes |
| Ornithology **(Birds)** | 8 | November 7th, 2017 |  |
| Cosmetology **(Glam/Grooming)** | 9 | November 14th, 2017 |  |
| Entomology**(Insects)** | 11 | December 4th, 2017 | Yes |
| Cosmology Part 1 **(Universe)** | 12 | December 12th, 2017 | Yes |
| Cosmology Part 2 **(Universe)** | 13 | December 12th, 2017 | Yes |
| Glycobiology **(Carbohydrates)** | 14 | January 8th, 2018 | Yes |
| Hematology**(Blood)** | 15 | January 11th, 2018 | Yes |
| **Sports and Performance Psychology** | 16 | January 15th, 2018 |  |
| Herpetology **(Snakes, Frogs, etc.)** | 17 | January 23rd, 2018 | Yes |
| Ichthyology **(Fish)** | 18 | January 29th, 2018 | Yes |
| Gelatology **(Laughter)** | 19 | February 5th, 2018 | Yes |
| Teuthology **(Squids)** | 21 | February 24th, 2018 | Yes |
| Gizmology **(Robots)** | 23 | March 12th, 2018 | Yes |
| Museology **(Museums)** | 24 | March 12th, 2018 | Yes |
| Melittology **(Bees)** | 25 | March 20th, 2018 | Yes |
| Evolutionary Biology **(Darwinism)** | 28 | April 9th, 2018 | Yes |
| Radiology **(X-Ray)** | 29 | April 16th, 2018 | Yes |
| Fearology Part 1 **(Fears)** | 30 | April 30th, 2018 | Yes |
| Fearology Part 2 **(Fears)** | 31 | April 30th, 2018 | Yes |
| Dendrology **(Trees)** | 32 | May 7th, 2018 | Yes |
| Lepidopterology **(Butterflies)** | 34 | May 21st, 2018 | Yes |
| Cynology**(Dogs)** | 35 | May 28th, 2018 | Yes |
| Areology Part 1 **(Mars)** | 40 | July 3rd, 2018 | Yes |
| Areology Part 2 **(Mars)** | 41 | July 3rd, 2018 |  |
| Malacology **(Slugs and Snails)** | 42 | July 16th, 2018 |  |
| Selachimorphology **(Sharks)** | 43 | July 23rd, 2018 | Yes |
| Epidemiology **(Diseases)** | 44 | July 31st, 2018 |  |
| Oology **(Eggs)** | 46 | August 13th, 2018 | Yes |
| Kalology**(Beauty Standards)** | 47 | August 20th, 2018 |  |
| Ferroequinology **(Trains)** | 49 | August 27th, 2018 |  |
| Oceanology **(Oceans)** | 50 | September 3rd, 2018 | Yes |

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| Conservation Technology**(Earth Saving Using Technology)** | 51 | September 10th, 2018 | Yes |
| Egyptology**(Ancient Egypt)** | 52 | September 18th, 2018 | Yes |
| Myrmecology **(Ants)** | 53 | September 24th, 2018 |  |
| Functional Morphology**(Anatomy)** | 54 | October 1st, 2018 | Yes |
| Somnology Part 1 **(Sleep)** | 57 | October 15th, 2018 | Yes |
| Somnology Part 2**(Sleep)** | 58 | October 15th, 2018 | Yes |
| Microbiology**(Gut Biome)** | 63 | November 26th, 2018 | Yes |
| Classical Archaeology**(Ancient Rome)** | 64 | December 3rd, 2018 |  |
| Selenology **(The Moon)** | 65 | December 10th, 2018 |  |
| Entomophagy Anthropology**(Eating Bugs as Sustainable Protein)** | 68 | December 31st, 2018 | Yes |
| Felinology **(Cats)** | 69 | January 8th, 2019 | Yes |
| Snow Hydrology**(Snow and Avalanches)** | 70 | January 14th, 2019 |  |
| Testudinology**(Tortoises)** | 71 | January 22nd, 2019 | Yes |
| Cheloniology**(Sea Turtles)** | 72 | January 29th, 2019 |  |
| Biogerontology**(Aging)** | 73 | February 4th, 2019 |  |
| **Personality Psychology** | 75 | February 19th, 2019 | Yes |
| Thermophysiology**(Body Heat)** | 76 | February 26th, 2019 |  |
| Etymology**(Word Origins)** | 77 | March 4th, 2019 | Yes |
| Astrobiology**(Aliens)** | 79 | March 18th, 2019 |  |
| Scorpiology **(Scorpions)** | 82 | April 8th, 2019 |  |
| Hagfishology **(Hagfish)** He’s Canadian\* | 86 | April 16th, 2019 |  |
| Island Ecology**(Islands)** | 91 | June 11th, 2019 |  |
| Disinfectiology **(Bleach)** | 96 | July 16th, 2019 |  |
| Cnidariology**(Coral)** | 97 | July 25th, 2019 |  |
| Saurology **(Lizards)** | 99 | August 6th, 2019 |  |
| Disasterology**(Disasters)** | 101 | August 20th, 2019 |  |
| Potterology Part 1 & 2**(Wizard Science)** | 104 & 105 | September 9th and September 17th, 2019 |  |
| Phenology**(Fall/Seasons)** | 106 | September 24th, 2019 |  |
| Osteology**(Skeletons)** | 107 | October 1st, 2019 |  |
| Cucurbitology**(Pumpkins)** | 108 | October 8th, 2019 |  |
| Spidroinology**(Spider Webs)** | 109 | October 15th, 2019 |  |
| Chiropterology Part 1 & 2**(Bats)** | 111 & 112 | October 29th and November 4th, 2019 |  |
| Molecular Neurobiology **(Brain Chemicals)** | 113 | November 12th, 2019 |  |
| Lupinology**(Wolves)** | 114 | November 19th, 2019  |  |
| Chonobiology **(Circadian Rhythms)** | 117 | December 10th, 2019 |  |
| Futurology**(The Future)** | 118 | January 6th, 2020 | Yes |
| Diabetology Part 1 & 2**(Blood Sugar)** | 123 &124 | January 21st and January 28th, 2020 |  |

**Ologies Interview #1 Submission**

1. Why did you choose this episode? 1 mark.
2. What is the scientist’s name? 1 mark.
3. What is the title of this scientist and what does this ology mean? 2 marks.
4. Where did this scientist study? What experience do they have? 3 marks.
5. What areas of science do they need to know while studying what they study? (Biology? Chemistry? Physics? Geology? Sociology? Psychology? Engineering? Astronomy? Other? All of the above?) Please explain how each science connects to what they study. 4 marks.
6. Do we have any of these science programs in Canada and where are they located? Do we have any people who study this topic in Canada? Who are they? Find one scientist, what is their name? 3 marks.
7. What are 5 interesting facts you learned from this episode? 10 marks.

1)

2)

3)

4)

5)

1. What is this scientist’s favourite thing about their job? What is their least favourite thing about their job? What would be your favourite thing about having this job? What would be your least favourite thing about having this job? 4 marks.
2. After listening to the scientist talk, would you consider becoming this kind of scientist? Why or why not? Please explain. 3 marks.

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