## Questions generated by the 3<sup>rd</sup> algorithm

## African Wildlife Ontology (39 questions)

Question
1a. Does a carnivorous plant eat an animal?
1b. Does an impala live on land?
3. Is phloem a proper part of a stem?
5a. Does a lion eat only a herbivore?
5b. Does a rock dassie live on only land?
6a. Does a carnivorous plant eat some animal?
6b. Does a bumble bee participate in flying?
7a. Is phloem a proper part of some stem?
9. Does a bumble bee fly?
13. Are there any differences between a lion and a king of beasts?
14. Are there any differences between hole up and hibernate?
16a. True or false: A carnivorous plant eats an animal.
16b. True or false: An impala lives on land.
17a. True or false: Phloem is a proper part of a stem.
18a. A lion eats a herbivore. True or false?
18b. An elephant lives on land. True or false?
19a. Phloem is a proper part of a stem. True or false?
20a. True or false: Phloem is a proper part of some stem.
21a. True or false: A lion eats only a herbivore.
21b. True or false: A rock dassie lives on only land.
21d. True or false: A carnivorous plant eats some animal.
21e. True or false: A bumble bee participates in flying.
22a. Phloem is a proper part of some stem. True or false?
23a. A lion eats only a herbivore. True or false?
23b. A rock dassie lives on only land. True or false?
23d. A carnivorous plant eats some animal. True or false?
23e. A bumble bee participates in flying. True or false?

24a. Which carnivore eats a herbivore?
24b. Which carnivore lives on land?
24d. Which plant parts is a proper part of a stem?
25a. Which endurant is a proper part of some plant?
25e. Which carnivore eats only a herbivore?
25f. Which carnivore lives on only land?
25h. Which carnivore eats some impala?
25i. Which insect participates in flying?
30. Define a palmtree.
31. What is an animal?
32. Define holing up.
33. What is looping?

## Stuff Ontology (12 questions)

Question
1c. Does a mixed stuff have a part stuff that is a stuff?
9. Does a stuff stuff state?
16c. True or false: A heterogeneous mixture has a stuff distribution that is an uneven distribution.
18c. A mixed stuff has a part stuff that is a stuff. True or false?
21c. True or false: A stuff has a state that is only a stuff state.
23c. A stuff has a state that is only a stuff state. True or false?
24c. Which mixed stuff has a stuff distribution that is an even distribution?
25g. Which physical endurant has a state that is only a stuff state?
30. Define a gel.
31. What is a physical object?
32. Define being a solid.
33. What is being a liquid?

## BioTop Ontology (44 questions)

Outstill 1
Question  1b. Does a material object project onto an immaterial three dimensional physical entity?
1c. Does a plurality of organisms have a granular part that is an organism?
3. Is an immaterial object a part of a material object?
4a. Is a temporal region preceded by a process?
4b. Is a material object included in universe?
5b. Does a material object project onto only an immaterial three dimensional physical entity?
6b. Does a process project onto some temporal region?
6c. Does a collective process have a granular part that is some process?
7a. Is a plurality of organisms a bearer of some taxon quality?
8a. Is a taxon value region a projection of only a taxon quality?
8b. Is a process preceded by only a temporal region?
16b. True or false: A process quality inheres in a process.
16c. True or false: A collective process has a granular part that is a process.
17a. True or false: An immaterial object is a part of a material object.
17b. True or false: A temporal region is preceded by a process.
18b. A taxon quality projects onto a taxon value region. True or false?
18c. An immaterial object has a life that is life. True or false?
19a. An immaterial three dimensional physical entity is a projection of a material object. True or false?
19b. A process is preceded by a temporal region. True or false?
20a. True or false: Life is a life of some particular.
20c. True or false: A condition is a condition of only a situation.
20d. True or false: A temporal region is preceded by only a process.
21b. True or false: A taxon quality projects onto only a taxon value region.
21c. True or false: A collective process has a granular part that is only a process.
21e. True or false: A process projects onto some temporal region.
21f. True or false: An immaterial object has a life that is some life.
22a. A material object is a part of some universe. True or false?
22c. A condition is a condition of only a situation. True or false?

22d. A process is preceded by only a temporal region. True or false?
23b. A physical mass inheres in only a material object. True or false?
23c. A collective process has a granular part that is only a process. True or false?
23e. A process projects onto some temporal region. True or false?
23f. A material object has a life that is some life. True or false?
24b. Which quality projects onto a canonicity value region?
24c. Which condition has a life that is life?
24d. Which process is a life of a particular?
24e. Which particular is preceded by a process?
25a. Which process is a life of some particular?
25c. Which value region is a projection of only a taxon quality?
25d. Which particular is preceded by only a process?
25f. Which object quality projects onto only a taxon value region?
25g. Which condition has a life that is only life?
25i. Which condition projects onto some immaterial three dimensional physical entity?
25j. Which condition has a life that is some life?