

### W3.1 SMART ANIMALS

#### Names and descriptions



A.	Blue tit	1.	In my diet on Zanzibar there are toxic leaves of almonds and mangoes containing poisonous phenols. Therefore, I must also eat charcoal from forest fires as a dietary supplement which binds with the phenols so they can be quickly removed from the body.
B.	Ant Formica family	2.	I spread ants over my feathers with my beak. This releases formic acid which repels lice, fleas and mites.
C.	African elephant	3.	When I feel that the time of birth has come, I will eat leaves from the <i>Boraginaceae</i> plant to induce it.
D.	Chimpanzee	4.	During evolution I created a slimy 'armor' around me containing useful bacteria that protect me from dangerous pathogenic bacteria (e.g. <i>Staphylococcus aureus</i> ) or yeast ( <i>Candida albicans</i> ) found in the sea.
E.	Howler monkey	5.	I bring with my tens of thousands of fellow citizens to the nest pieces of coniferous resin. The resin contains volatile substances with antibacterial and antifungal effects helping to prevent harmful bacteria ( <i>Pseudomonas fluorescens</i> ) and fungi ( <i>Metarhizium anisopliae</i> ).
F.	North American bear	6.	When building a nest, I use fragrant herbs such as lavender, mint and wild carrots to prevent mites and other parasites; when my chicks hatch into the nest they will have a healthy environment.
G.	Jaybird	7.	For digestive problems and lack of appetite, I swallow the whole leaves of <i>Aspilia mosambicensis</i> or <i>Vernonia amygdalina</i> even though they taste disgusting. They help me to get rid of intestinal contents including possible parasites such as nematodes and tapeworms. I also notice what the physically fittest members of our troop eat and try to eat what they do.
H.	Sea bass	8.	I often encounter various poisoned foods. If I have eaten some poisoned food, I eat clay (the clay absorbs toxic substances). That's also why people call me 'smart as...!'
I.	Zanzibar red colobus	9.	I use cashew stems ( <i>Anacardium occidentale</i> ) to clean my teeth which contain phenolic compounds of anacardic acid and cardol, acting against the bacteria responsible for dental cavities.
J.	Rat	10.	To get rid of insects I make paste from the roots of <i>Ligustum porteri</i> (also known as a bear root) mixed with my saliva and rub it in my fur coat. Then, no annoying insects attack me.