

BIO 104: PROTIST AND ANIMAL DIVERSITY

Instruction: Answer all questions, strictly within the space provided in the answer sheet. Time allowed 60 min (1 hr).

An egg is described as (1) when rich in yolk, but as (2) when scanty with yolk. The region of a yolk egg where embryonic development is concentrated is called (3). The type of cleavage in the molluscs is called (4). The embryonic mouth of gastrula is called (5). Canidae means (6) in common English language. The suffix "oid" means (7). Therefore "Tunji is pithecoïd" describes Tunji as (8). The exponent of the hierarchical system of classification was (9). Complete species, genus, family, (10), (11), phylum. Complete the sequence: Subdivision, Division, (12), (13), Kingdom. Write the biological names for Rainbow skink (14), Horse (15), Shrew (16), pig (17), Turkey (18), sugar ant (19). In order of increasing complexity the kingdoms under the Eukaryota are (20), (21), (22), (23). The amoeboid sarcodinids belong to the phylum (24). The spore-forming parasitic protozoa belong to the phylum (25). One advantage of the protozoan state is ease of dispersal by (26). One disadvantage of the protozoan state is inability to maintain travel course against (27). The long whip-like locomotory organelle in protozoans is the (28); the shorter ones that occur in bundles or spirals are the (29), while the fleshy form is the (30). Green protists contain (31). Sleeping sickness is caused by protists belonging to the genus (32) and is vectored by the fly called (33). Figure 1 represents (34); while structures (35), (36) and (37) represent... The umbrella form of Cnidaria are called (38). It bears stinging cells called (39); and symmetry type called (40). In ordinary English the word fluke means (41). Platyhelminthes literally means (42). The formation of definite antero-posterior axis in animals is called (43) while the existence of a definite head is called (44). The brain of platyhelminth consists of a pair of (45) and the nervous system is of the (46) type. The reason *Schistosoma haematobium* is dangerous to health is because in its location in the blood (47) of the organ called (48), it causes leakage of (49). The larva type of the schistosome named after a scientist is the (50). An example of hookworm is (51) which in its location in the human organ called (51) uses its hook to puncture (52) thereby causing leakage of (53). The microfilariae of (54) are in hospital sampled by skin snip. The leopard skin associated with blindness is an indication of the disease called (55) caused by the nematode called (56) and transmitted by the fly called (57). Blood circulation in the earthworms is of the (58) type. The book *Earthworms and the Way back to Eden*, shows that earthworms make fingerlike (59) which increases soil (60); that earthworms (61) leaf litters by feeding on them turning them to (61). Complete the following names for the common earthworms: (62) *africanus*, (63) *lugosensis* and *Eudrilus* (64). The dangerous annelid in the pond near Methodist High School, near our Mini Campus is (65), dangerous because it (66). Kidney is to man as (67) is to earthworms, and (68) to flatworms. The giant African snail belongs to the genus (69), while the common ones on the walls and grasses belong to the genus (70). A water snail that does not transmit schistosomes is (71), while the planorbial form that transmits is called (72). The precious stone called (73) is produced when sand particle get trapped in (74) of a clam. Squids and (76) are examples of the class (77). The enormous number of species is indication of (78) of the Arthropoda. The word Arthro-poda literally means (79). Maggi Cakes are even made with the flavor of the crustacean called (80). The combination of segments to form body regions is called (81), and the fusion of the head and thorax form (81). The three tagmata of the Trilobitomorpha are the (82), (83) and (84). The arthropod dogs struggle to remove from their skin is scientifically called (85). Water vascular system is characteristic of the phylum (86). The biggest millipede around Ago-Iwoye is (87). Instead of small scales the members of the vertebrate class (88) have one large plate to cover the body. The alimentary canal of the Chondrichthyes differs from that in the Osteichthyes in having (89). The eggs of the Reptilia and Aves is (90) as an adaptation to protect against desiccation. Members of the vertebrate classes (91) and (92) are steady body temperatures irrespective of environment (a condition called (93)). The word "rodent" means (94). "Asin toun' ukere, unvon lo jo n ja". The shrew and squirrel should not fight over food since the shrew is (95) in diet while the squirrel is (96). *Cercopithecus* is readily distinguished from *Gorilla* by observing the presence/absence of (97). The movement of the hominid thumb in direction against the other fingers is called (98). What is human about man? List any two uniquely human characteristics of man: (99) and (100).



Figure 1

homotherm