

SUGGESTED ANSWERS FOR PLE 2017

1	To show whether walls of buildings are straight vertically or horizontally	20	Boiling Filtration / using chlorine / sedimentation
2	It breeds disease vectors like mosquitoes It leads to bad smell in our community	21	Heat the ice until it melts completely
3	It reflects light from the sun. The moon does not produce its own light.	22	Umbra Penumbra
4	-Transparent objects allow light to pass through clearly but translucent objects doesn't allow all light to pass through them.	23	Cooking food / boiling water Drying clothes / ironing clothes
5	Charcoal / wood (Biomass) Electricity / gas (Biogas)	24	It attracts iron and other electromagnetic materials It has two poles; North and South poles where magnetism is concentrated.
6	They are good conductors of electricity They do not corrode	25	It is an instrument used for showing geographical directions on earth or in airplanes.
7	It contains oxygen we breathe It is used by plants It protects the earth from harmful substances	26	Calcium / vitamin D – Rickets Iodine – Goitre Vitamin B1 – Beri beri Iron – Anaemia
8	Solids do not change shapes Solids do not change their volume.	27	a. Germination b. water (moisture), oxygen, warmth (sunlight) c. The plant has grown 11cm – 2cm = 9cm
9	Mass of a body refers to the quantity of matter contained in a body.	28	a. Flower b. For decoration, used as medicine, food
10	The density of firewood is less than the density of water.	29	a. Pollination is the transfer of pollen grains from the anthers to the stigma of flowers Fertilisation is the fusion / joining of male and female gametes (sex cells) b. Self-pollination, Cross pollination c. ovary, ovule
11	- Angle of incidence equals the angle of reflection - The incident, normal and reflected rays all lie on the same plane.	30	Ureter → brings urine from the kidneys to the gall bladder. Kidney → where urine is produced Urethra → where urine is eliminated from the body. Bladder → where urine is stored
12	It is the bending of light as it travels from a denser medium to a less dense medium or vice versa.	31	a. Pulmonary circulation, systemic circulation b. No, all arteries <u>do not</u> carry oxygenated blood c. Pulmonary artery carry deoxygenated blood. d. - Removal of carbondioxide - Addition of oxygen
13	Conduction / Convection / Radiation	32	A-Pulmonary vein, B-Aorta, C-Pulmonary artery, D-Vena cava (main vein)
14	The cells are wrongly arranged. Wrong / poor connection	33	a. Lungs b. The nose has hairs and mucus that trap dust and microbes from entering the body/lungs
15	(Teacher's guidance)	34	a. Suffocation is lack of air or oxygen b. Applying mouth to mouth breathing c. Lung cancer, emphysema, bronchitis, TB
16	- Helps to provide light - Provides energy for operating home electric devices like radios, flat irons	35	a. Diarrhoea, dysentery, typhoid, cholera b. Washing hands properly before eating food Washing fruits before eating them Washing food containers properly Covering food, drinking boiled water
17	Guitar / radios / thunder / bells.....etc	36	a. A-Humerus, B-Femur, C-Tibia b. Gives the body shape, Provides support, etc c. Leads to bending bones, back pain,
18	Music tapes / flash disks / CDs / Cassettes	37	a. A-Biceps, B-Triceps b. (i). Muscle A contracts / shortens / thickens (ii). Muscle B relaxes / elongates/ becomes thin
19	Levers (wheel barrow / pair of scissors.....) Pulleys, wedge, inclined planes		