



## Smart Living Quiz Night

30 September 2020

### Questions and Answers

#### Energy

1. "Renewable energy" refers to an energy source that is not depleted when used. Which of the following are examples of renewable energy sources?
  - a) Coal, diesel, paraffin
  - b) Petrol, natural gas, nuclear
  - c) Wind, solar, tidal

**Answer: (c)**

2. What source does Cape Town get the most of its electricity from?
  - a) Coal
  - b) Nuclear Energy
  - c) Solar Energy

**Answer: (a)**

3. Burning fossil fuels such as petrol, coal and paraffin produces harmful gases like carbon dioxide, which increase the greenhouse effect and contribute to global warming. The greenhouse effect:
  - a) Keeps the air inside the earth's atmosphere
  - b) Traps heat from the sun inside the earth's atmosphere, warming the earth
  - c) Keeps the sun's rays out of the atmosphere

**Answer: (b)**

4. To save on heating and cooling costs, which direction should the main living areas face so the house is warmed in winter but protected from the heat in summer?
  - a) North
  - b) South
  - c) East

**Answer: (a)**

## Water

1. Which of the following is one way to reduce household water consumption?
  - a) Install efficient showerheads and taps
  - b) Leave your pool uncovered
  - c) Take long showers

**Answer: (a)**

2. Which appliance in your home uses most energy/electricity
  - a) Geyser
  - b) Fridge
  - c) Stove

**Answer: (a)**

3. Greywater is water that has already been used for another purposes such as:
  - a) Toilet flushing
  - b) Garden irrigation
  - c) Baths and showers

**Answer (c)**

4. The safe use of greywater helps save...
  - a) Water
  - b) Money
  - c) Both (a) and (b)

**Answer: (c)**

## Waste

1. Where does most of Cape Town's household waste end up?
  - a) Landfill
  - b) It is recycled
  - c) The sea

**Answer: (a)**

2. What do the four R's of sustainable waste stand for?
  - a) Rethink, Re-imagine, Release, Resize
  - b) Recycle, Rethink, Reapply, Revitalise
  - c) Refuse, Reduce, Reuse, Recycle

**Answer: (c)**

3. An easy way to reduce household refuse is to use your food and garden waste to make compost, which helps feed and replenish nutrients in the soil. Which of the following are NOT items you can put in your compost heap?
  - a) Vegetable peels, eggshells, tealeaves and paper teabags
  - b) Bones, dairy products, meat scraps, cooked rice and pasta
  - c) Grass cuttings, coffee grounds, leaves and branches

**Answer: (b)**

4. How much does the City of Cape Town spend annually on cleaning up illegal dumping?
  - a) Over R100 million
  - b) Over R300 million
  - c) Over R500 million

**Answer: (b)**

### **Transport**

1. What is the name of Cape Town's bus rapid transit (BRT) system?
  - a) Rea Vaya
  - b) Golden Arrows
  - c) MyCiti
2. Electric Vehicles (EVs) are powered using electricity rather than petrol or diesel, and are becoming more widespread. What is one advantage of EVs over regular combustion vehicles?
  - a) They are cheaper to buy
  - b) They lead to a decrease in local air pollution
  - c) They cause less traffic

**Answer: (b)**

3. A 2019 study found that Cape Town is the most congested city in South Africa. On average, how long do Capetonians spend in traffic a year?
  - a) 6 days and 18 hours
  - b) 3 days and 4 hours
  - c) 1 day and 16 hours

**Answer: (a)**

### **Environment**

1. Biodiversity and our natural environment are threatened by a number of different factors. Which of the following pose threats to biodiversity?
  - a) Conservation, recreational fishing, researching
  - b) Climate change, habitat destruction due to human activity, poaching
  - c) Rain water harvesting, subsistence farming, reforestation
2. You can help promote biodiversity in your very own garden by planting indigenous, water-wise plants. Which of the following are examples of such plants?
  - a) Oak tree, bougainvillea, roses
  - b) Pine tree, jasmine, rhododendron
  - c) Wild olive tree, aloes, geraniums

**Answer: (c)**

3. Alien invasive plants do not originate from our region – they take over space from indigenous plants and use up a lot of water. Which are three examples of alien invasive plants you should NOT plant, and clear away if they are growing in your garden?

- a) Assegai tree, camphor bush, vygies
- b) Gum tree, black wattle, hakeas
- d) Lemon tree, spekboom, sea lavender

**Answer: (b)**

4. Often, commercial household cleaning products can have toxic ingredients which are harmful to both you and the environment. Which three affordable items found in your pantry can you use instead of harmful commercial products?

- a) Lemon juice, bicarbonate of soda (baking soda) and white vinegar
- b) Baking powder, grape juice, sugar
- c) Paraffin, cooking oil, flour

**Answer: (a)**