

NATURAL SCIENCES GRADE 7
WEEK 3 OF LOCKDOWN PROGRAMME

MEMORANDUM

MATTER AND MATERIALS

TOPIC 6 SEPARATING MIXTURES: PAGE 79

1. Write down **keywords for Properties of materials**.
Check your keywords, paying attention to the spelling of your words.
2. Activity 1... Page 79
 1. a. Vusi could separate the raisins from the flour by sifting the mixture. The raisins are bigger than flour particles and will remain in the sieve.
b. Vusi could separate the raisins from the mixture by using hand-sorting. The raisins will be clearly visible from the rest of the mixture.
 2. Rice colander to strain rice, tea strainer for tea with tea leaves, coffee filter machines.
 3. a. pure water... is not a mixture
b. tap water... is a mixture
c. salt water... is a mixture
d. cake mixture... is a mixture
e. air... is a mixture
f. gold... is not a mixture
g. salt... is not a mixture
3. Activity 2... Page 81
 1. a. is a mixture, it has 2 different types of particles.
b. is not a mixture, it has one type of particle.
c. is a mixture, it has 2 different types of particles.
d. is a mixture, it has 2 different types of particles.
 2. a. is a mixture
b. is not a mixture
c. is not a mixture
d. is a mixture

4. Activity 4...Page 83

1. filtration...a method in which a filter is used to separate a solid from a liquid.
 Insoluble...a solid that does not dissolve in a liquid.
2. Wetlands have plants with roots that form a natural filter in the environment.
 They trap large particles of impurities and release the water particles only.
3. The wetlands help us because the water around us has become polluted
 due to man's many activities, and they help to clean up our polluted water surfaces.
 Wetlands reduce the impact of floods and provide habitats for plants and
 animals around us.