

DREKETI SANGAM SCHOOL

YEAR 6

ELEMENTARY SCIENCE –WORKSHEET 4

SOLUTIONS

Activity

1. Identify some natural synthetic materials found in your environment.

Natural Material	Properties	Uses
leather	High tensile strength, good heat insulation	Shoes, bags, jacket, belts
Soft, fine grained	White sedimentary rock	writing
cotton	Strong, dye absorbent	clothes
wood	Strength in tension and compression	Table, chair, cupboard
bamboo	Tensile strength, shear strength	Fishing rods, furniture
gold	Highly reflective of heat and light, prized for its beauty	jewellery
oil	Density, solubility, specific gravity	fuels
limestone	Colour, chemical composition, texture	Building materials
Synthetic Material	Properties	Uses
Synthetic fibres	A hardwearing fibre with good tensile strength, good elasticity	Ropes, nets, seat belts, caps, raincoats
ceramics	Hard, porous and brittle	Bricks, tiles, cements, and glass
polymers	Tough, electrical insulator	Electrical wires, windows, gutters, pipes
Artificial foods	Yogurt, energy drink, bread products, sauces, diet sodas, beverages	For displays, Slow down spoilage
medicines	antibacterial	Cure diseases
composites	High strength/high modulus/low density	Vehicle and equipment applications