

		copper bone nylon ceramics wood		
Materials				
Natural	Midway	Synthetic		
a	С	polyester		
wool	d	е		
b	glass	acrylic		
	ng density, thermal and	A Comment		
lectrical conductivity, and the an be electrical 1	rmal expansion. Materials, which move and carry			
lectrical conductivity, and the an be electrical ¹ urrent, like silver, copper and	rmal expansion. Materials, which move and carry iron or, electrical			
lectrical conductivity, and then an be electrical ¹ urrent, like silver, copper and , like most pl	rmal expansion. Materials, which move and carry iron or, electrical astics, glass, ceramics,			
lectrical conductivity, and then an be electrical 1 urrent, like silver, copper and , like most pl extiles and wood, which are re	rmal expansion. Materials, which move and carry iron or, electrical astics, glass, ceramics, esistant to electrical flow of			
lectrical conductivity, and then an be electrical 1 urrent, like silver, copper and, like most pl extiles and wood, which are re nergy. Magnetic materials, like	rmal expansion. Materials, which move and carry iron or, electrical astics, glass, ceramics, esistant to electrical flow of	lass, plastics, textiles and most		
lectrical conductivity, and then an be electrical 1 urrent, like silver, copper and, like most pl extiles and wood, which are re nergy. Magnetic materials, lik, while 4	rmal expansion. Materials, which move and carry iron or, electrical astics, glass, ceramics, esistant to electrical flow of e iron, are attracted by			

example, water is more fluid and less viscous than oil.



/10



Read and underline to complete the chart.

Properties of materials



(a) Weak / Brittle materials fracture under a small amount of force. Glass has this property and is also (b) absorbent / waterproof because it does not have the ability to soak up liquids.



(c) Elasticity / Plasticity allows a material to return to its original bands have this property and are also (d) rigid / flexible because they are easily deformed by an applied force.



(e) Elasticity / Plasticity allows a material to be deformed by form after it is deformed. Rubber an applied force, but it does not return to its original form. Steel knives have this property and are also (f) strong / weak because they do not break

2 Read and match.

- a __ It is the measure of greenhouse gases directly or indirectly produced to support human activities.
- b It is the maximum population that a particular environment can support.
- c It is the measure of raw materials, land and resources that individuals use to meet their needs and to absorb the waste produced.
- d __ It is a management strategy of creating more goods and services, using fewer resources and producing less waste or pollution.
- e __ It is the condition of being mutually reliant on each other.

- 1 carrying capacity
- 2 interdependence
- 3 eco-efficiency
- 4 carbon footprint
- 5 ecological footprint

15





3 Read and underline to complete the text.

When conducting (a) community / sustainable development, we need to remember that everybody has a right to enjoy this world. (b) Equity / Equality refers to the fact that all individuals have the same needs and thus should have the same opportunities to have an acceptable quality of life. Humans have a (c) infinite / finite amount of materials on this planet, called natural resources. Thus, we must keep in mind that there are two key concepts to consider: (d) intergenerational / intragenerational equity, related to all the individuals in the present, and (e) intergenerational / intragenerational equity, which takes into consideration present and future generations. The basic idea is to



(f) encourage / discourage development without damaging the environment so that all individuals in the present and in the future can continue enjoying an acceptable quality of life. To achieve these equities, people can apply the (g) precautions / precautionary principle. It states that when there is the suspicion that a certain situation can endanger the environment, precautions should be taken even when there is no scientific (h) evidence / experimentation of the (i) evidence / extent and depth of this possible damage. Basically, we have to take (j) control / action in order to protect present and future generations from situations that can put the environment in danger.

/10