A.3 PHYSICAL AND CHEMICAL PROPERTIES practice

TEKS addressed: 4Bi and 4B.ii

PRACTICE:

After students have completed Developing Skills 1A.3 (page, have them identify whether the physical property is intensive or extensive.

ANSWERS:

1. physical: intensive
2. chemical
3. chemical
4. chemical
5. physical: intensive
6. physical: intensive
7. chemical
8. chemical
9. physical: intensive
10. examples from Investigating Matter 1A.1
    1. Investigation 1: tearing paper into tiny pieces would be PHYSICAL and EXTENSIVE
    2. Investigation 5: crushing the blue crystal would be PHYSICAL and INTENSIVE
    3. Investigation 7: melting paraffin would be PHYSICAL and BOTH INTENSIVE (melting) and EXTENSIVE (mass – if measured)
    4. Investigation 12: density of a material does not depend on the amount of material used so would be PHYSICAL and INTENSIVE