

EXERCISE 9.2 MATCHING #1: KEY TERMS

Instructions: Match each key term in column A with its corresponding definition in column B by writing the appropriate letter in the space provided.

Column A

1. _____ Calorie
2. _____ Nutrient
3. _____ Energy density
4. _____ Amino acids
5. _____ Metabolizable (maintenance) energy requirement
6. _____ Palatability
7. _____ Atwater factors
8. _____ Assisted feeding
9. _____ Resting energy requirement
10. _____ Fatty acid
11. _____ Metabolizable energy
12. _____ Body condition score
13. _____ Lipid
14. _____ Kilojoule

Column B

- A. Something essential that a plant or animal obtains from the environment for growth and maintenance of life.
- B. The small molecules that are the building blocks of proteins.
- C. Molecules that provide and store energy, make up cell membrane structure, and act as signaling agents and hormones.
- D. A component of triglycerides that may be synthesized by the body or required in the diet of an animal.
- E. A measure of energy defined as the energy needed to move a 1 kilogram weight 1 meter by 1 Newton.
- F. The energy needed to increase the temperature of 1 gram (g) of water from 14.5°C to 15.5°C.
- G. Result of subtracting the energy lost in urine and gases produced by the body from the digestible energy (DE) of a food or diet.
- H. The estimated energy (caloric) content assigned to the three macronutrients.
- I. The kcal per unit of a food ingredient or pet food.
- J. A widely used estimate of energy expenditure by a normal animal at rest.
- K. An estimated daily energy requirement for a healthy animal with daily activity and exercise.
- L. A method used regularly to assess the weight gain or weight loss of an animal.
- M. Refers to the tasty and acceptable properties of a dog food.
- N. Providing nutritional support to a sick, injured, or hospitalized pet.

EXERCISE 9.3 MATCHING #2: ENERGY PARTITIONING

Instructions: Match each abbreviation in column A with its corresponding description in column B by writing the appropriate letter in the space provided.

Column A	Column B
1. _____ kcal	A. Used to estimate how much to feed an overweight dog or cat or a hospitalized patient.
2. _____ kJ	B. Energy burned for normal body functions and increased energy demands, such as exercise.
3. _____ ME	C. The energy from a diet available after digestion and absorption of nutrients.
4. _____ RER	D. Equal to kcal/0.239.
5. _____ MBR	E. The total potential energy available in a food or diet provided to an animal.
6. _____ DE	F. The standard measurement for energy that is also referred to as “calories” to an animal owner.
7. _____ GE	G. The energy available to an animal after some energy from the diet is lost in the feces.
8. _____ NE	H. Energy (kcal) available from pet foods for the animal to use for normal body functions, such as digestion.
9. _____ EE	I. Used to estimate how much to feed a healthy, active dog or cat. This measurement may be altered by level of activity or reproductive status of the animal.

EXERCISE 9.4 MATCHING #3: PET FOOD LABELS

Instructions: A client presents a bag of food to you with the following information. Help the client understand this information by matching each piece of information with the section of the food label that it is listed in from column B by writing the appropriate letter in the space provided.

Column A	Column B
1. _____ Purina Dog Chow	A. Net weight
2. _____ Crude Protein 42% (minimum)	B. Guaranteed analysis
3. _____ Chicken, brewers rice, corn gluten meal	C. Feeding directions
4. _____ Adult Maintenance	D. Ingredient statement
5. _____ Feed 1–1½ cups per 5–10 lb dog	E. Information panel and freshness date
6. _____ 3 lbs. (1.36 kg)	F. Principal display panel
7. _____ Best before Jun 30 2013	G. Statement of nutritional adequacy