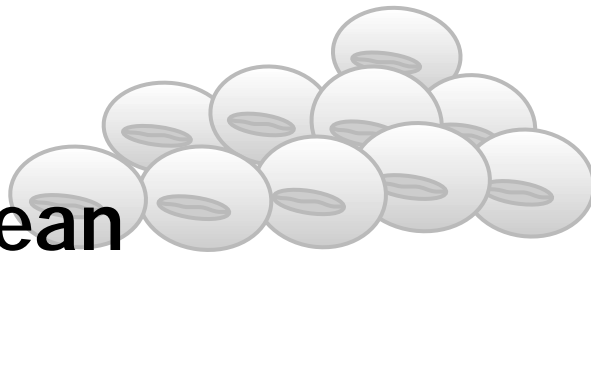


Using the Old Bean



SCORING

6-8 Hot dog!...and Beans...

3-5 Good, But you've bean better!

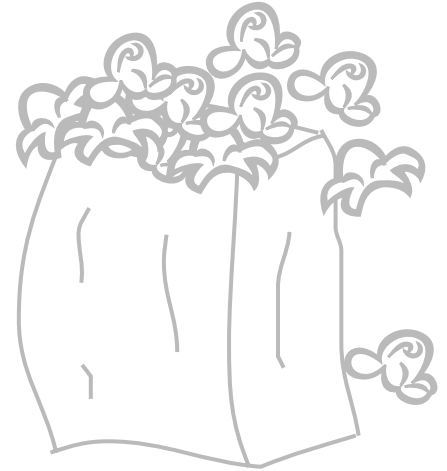
2-0 You don't know beans about beans!

1

Snickers bar, French dressing, veggie burgers, USA Today newspaper, and microwave popcorn... What do they have in common?

- (A) High in fat
- (B) Biodegradable
- (C) Made possible by agricultural research
- (D) Use ultrasound technology
- (E) Contain soybean components

ANSWER: (C and E) They're all products on our supermarket shelves that have been made possible by agricultural research. AND...they're all derived from soybeans!



2

Soybeans are used mostly in _____.

- (A) Baked beans
- (B) Diesel fuel
- (C) Beanie babies
- (D) Soy sauce
- (E) A wide variety of everyday food and nonfood products

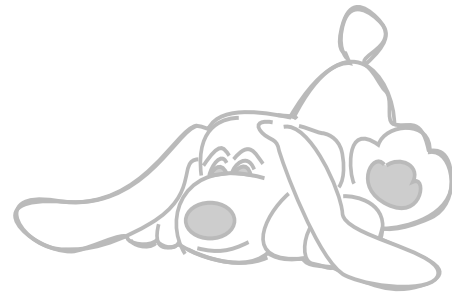
ANSWER: (E)

3

Which of the following are derived from soybeans?

- (A) Oil
- (B) Lecithin
- (C) Protein concentrate
- (D) Tofu
- (E) Flour

ANSWER: (A, B, C, D, and E)



4

The average American consumes about _____gallon(s) of soy oil each year.

- (A) 1/2
- (B) 1
- (C) 2
- (D) 4
- (E) 6

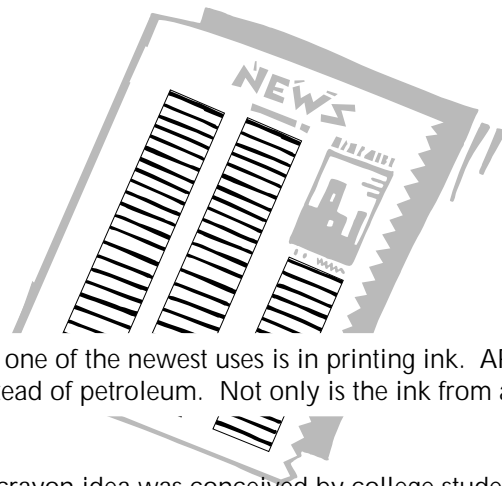
ANSWER: (E) SIX! Soy is the most widely used food oil.



5

One of the newest uses of soy oil is in _____.

- (A) Soy-oil based printing ink
- (B) Infant formulas
- (C) Salad dressings
- (D) Cosmetics
- (E) Vegetarian foods



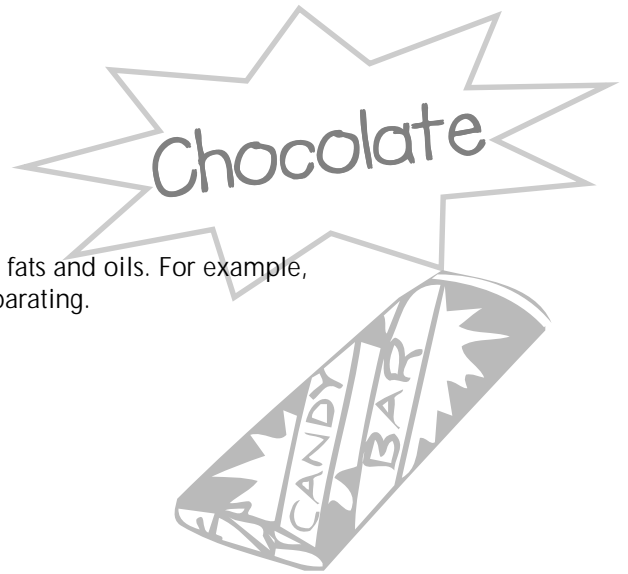
ANSWER: (A) All of these products contain soy oil, but one of the newest uses is in printing ink. ARS researchers developed a way to make printing ink using soy oil instead of petroleum. Not only is the ink from a renewable resource, but it won't smudge off on your fingers.

A recent novel use of soybeans is in crayons. The soy crayon idea was conceived by college students as part of an annual contest to develop new uses for soybeans. What new uses of soybeans can you think of?

6

Why is soy lecithin used in food manufacturing?

- (A) Adds vitamins
- (B) Acts as an emulsifier
- (C) Enhances flavor
- (D) Reduces fat in food products
- (E) Simulates meat



ANSWER: (B) An emulsifier helps homogenize products high in fats and oils. For example, it keeps the chocolate and cocoa butter in a candy bar from separating.

7

Most soybeans are grown in _____.

- (A) China
- (B) United States
- (C) India
- (D) Australia
- (E) Brazil

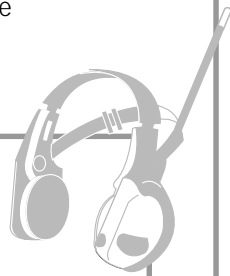
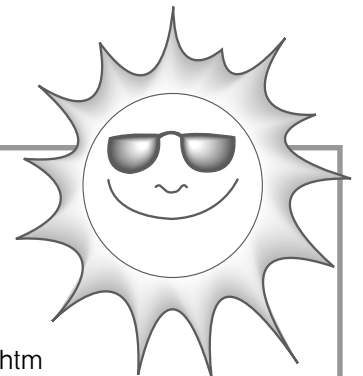
ANSWER: (B) Soybeans have been grown in China for several thousand years and are fairly new to the United States. However, the United States now produces the most soybeans.

8

Recent developments in soybean research include breeding for...

- (A) Disease resistance
- (B) Better yields
- (C) Higher quality protein
- (D) More protein
- (E) All of the above

ANSWER: (E)



On the Radio...

Pretend you're being interviewed by your state's Agricultural Radio. Tell how soybeans contribute to everyday life.

Check It Out !!!

- <http://www.barc.usda.gov/psi/sarl/welcomea.htm>
- <http://www.ncaur.usda.gov/oc/oilchem.htm>
- <http://www.btny.purdue.edu/USDA-ARS/PPCRU/PPCRU.html>
- <http://www.agry.purdue.edu/agronomy/ext/soybean/index.html>
- <http://usda.mannlib.cornell.edu/usda/>
- <http://206.168.118.237/99soystats/index.htm> (Not a USDA-affiliated site)
- <http://www.soyfoods.com/> (Not a USDA-affiliated site)