

TEACHER'S NOTES

FRESHNESS TEST WORKSHEET



EQUIPMENT

WATER TEST

1 egg per 1-4 students
1 bowl of water per 1-4 students

BREAKOUT TEST

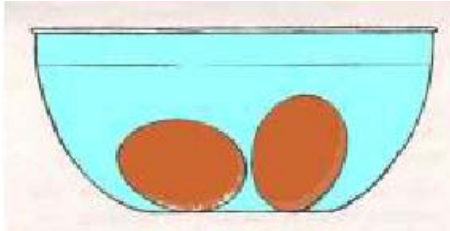
1 egg per 1-4 students
1 plate per 1-4 students

The Freshness Worksheet is designed as a practical activity worksheet. The students are expected to experience the differences between a stale egg and a fresh egg. A range of egg ages is desirable so that the students can see the variations. (A simple way to age eggs is to remove the amount required from the refrigerator for one to two weeks prior to doing the activity). It should be emphasised that the water test is not totally accurate as extremely fresh eggs can float. (Freshly laid eggs contain a large amount of carbon dioxide which can cause them to float).

WATER TEST

Place an egg in a bowl of water. A fresh egg will lie at the bottom and a stale egg will float. Draw your egg in the bowl of water.

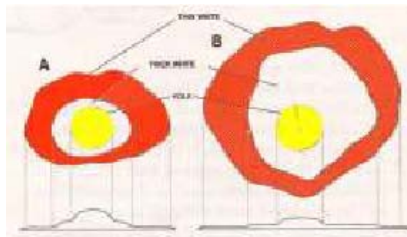
Why? As the egg gets older the air cell becomes larger, causing the egg to float.



BREAKOUT TEST

Break the egg onto a flat plate. The fresh egg will have a well-rounded yolk surrounded by a thick gelatinous white that 'sits up' quite high. As the egg ages the white becomes watery and the yolk is flatter. Decide if your egg is fresh or stale and draw what you have seen. Compare your egg with others.

Comments: A statement as to whether their egg was fresh.



FRESHNESS TEST WORKSHEET



WATER TEST

NAME: _____

Place an egg in a bowl of water. A fresh egg will lie at the bottom and a stale egg will float. Draw your egg in the bowl of water.

A large, empty rectangular box with a thin black border, intended for a student to draw an egg in a bowl of water.

Why?

BREAKOUT TEST

Break the egg onto a flat plate. The fresh egg will have a well-rounded yolk surrounded by a thick gelatinous white that 'sits up' quite high. As the egg ages the white becomes watery and the yolk is flatter. Decide if your egg is fresh or stale and draw what you have seen. Compare your egg with others.

A large, empty rectangular box with a thin black border, intended for a student to draw the result of breaking an egg on a flat plate.

Comments:
