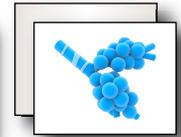
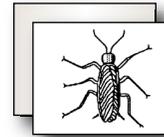


kids' kreation



© 2010 by HIS CREATION

65

LUNGS

Proclaiming the breath of Christ

Did you know that...

... horses can only breathe in through their nose, not their mouth?



... Jesus enables the desert pupfish to survive in 104° F (40° C) water, which has only half the oxygen of water at 41° F (5° C)?!

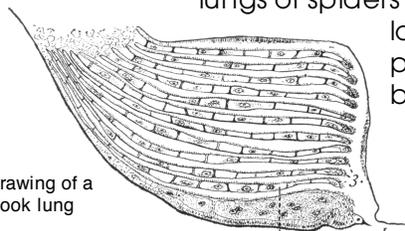
... lizards cannot breathe and run at the same time?



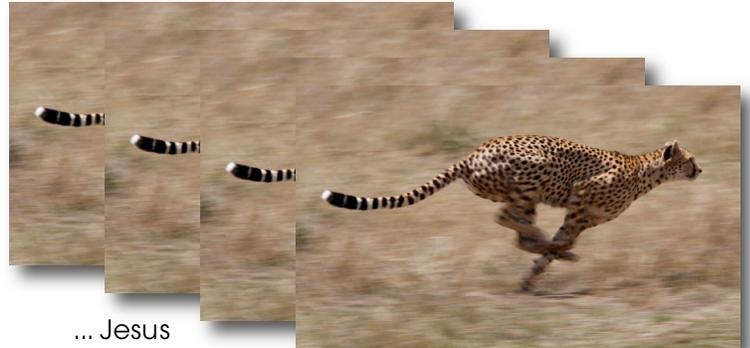
... some shrews breathe 850 times per minute?

... under a microscope, the lungs of spiders and scorpions look like the pages of a book?!

drawing of a book lung



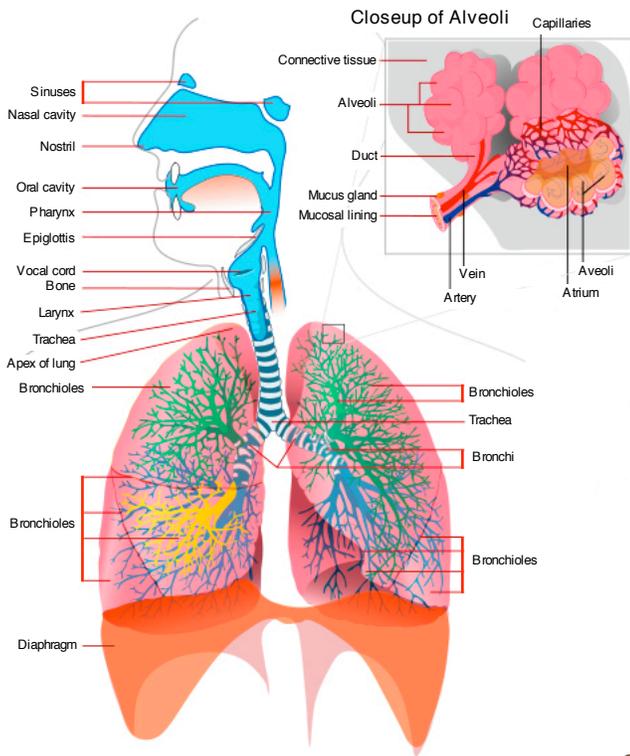
... a chuckwalla can wedge itself between rocks and then inflate its lungs, making it nearly impossible for a predator to pull it out?



... Jesus gave cheetahs extra large nostrils, big hearts, and huge lungs so that they can run fast? During a typical chase, a cheetah's respiratory rate increases from 60 per minute to 150 breaths per minute!

Horse galloping—© 2009 by Viktoria Makarova
Cheetah running—© 2007 by Graeme Purdy
Desert pupfish—U.S. FWS
Shrew—U.S. FWS

Book lungs—John Henry Comstock
Chuckwalla—CC DKGeneralLee
Human respiratory system—Wikipedia Commons



Our Respiratory System

This is a drawing of the path air takes from your nose and into your lungs. As you inhale, air is warmed and moisturized in the nasal cavity. It then passes into the pharynx, past the epiglottis, and into your larynx or "voice box." From there it goes through a big pipe in your chest called the trachea and into smaller and smaller pipes that are buried deep in your lungs, known as bronchi. Air eventually reaches microscopic sacs called alveoli (inset) where oxygen is removed from the air and transported into your bloodstream.

CROSSWORD

The words used in the CROSSWORD are taken from the article in *CREATOR* Volume 15 Number 4.

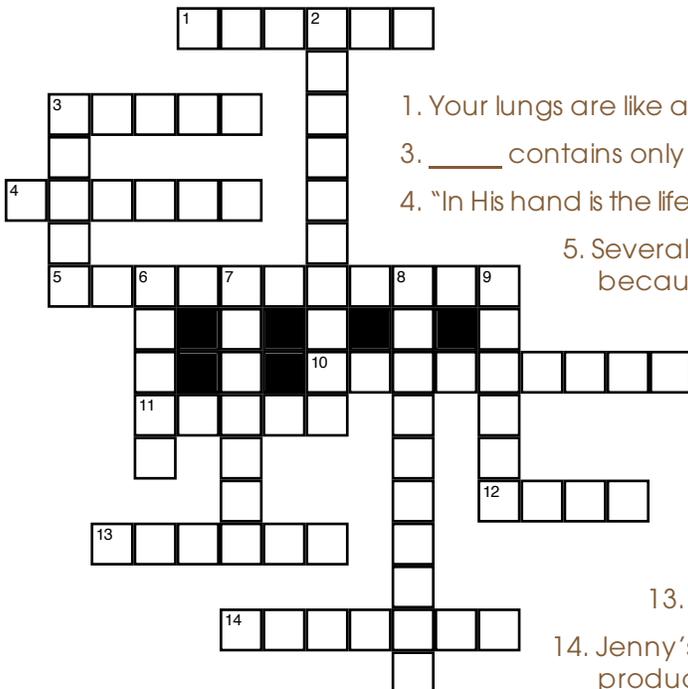
Down

2. Jesus' design of an insect's respiratory system demonstrates the _____ of His hand.
3. As Jenny draws in a breath, her nose humidifies, filters, and _____ the air she breathes.
6. Animals usually breathe by one of three ways: _____, their skin, or gills.
7. Over your life, you will breathe in and out some 600 _____ times!
8. The _____ is a special "trap door" that prevents food and liquids from going into our lungs.
9. Many _____ have only one lung.

Answers to CROSSWORD found in
kids' kreation #64

Down: 1. GRANITE 2. MINERALS 4. AMETHYST
6. CORUNDUM 10. MOHS

Across: 2. MARBLE 3. SAND 5. ROCK
7. SEA 8. WATER 9. SEDIMENTARY
11. MICA



Across

1. Your lungs are like a big sponge that soaks up _____ from the air you breathe.
3. _____ contains only five percent as much oxygen as air.
4. "In His hand is the life of every creature and the _____ of all mankind" (Job 12:10).
5. Several kinds of _____ breathe entirely through their skin because they have no lungs!
10. An insect doesn't breathe through its mouth but takes in oxygen through _____—holes on the sides of its body.
11. Some crustaceans have _____ attached to their feet and simply wave their legs around when they want to breathe.
12. In winter, hibernating frogs breathe solely by their _____.
13. All the oxygen in our atmosphere comes from green _____.
14. Jenny's cells give off carbon _____ much like smoke produced by a burning log.