# Bones & Joints Reading & Study Guide

	RT = Right There T	&S = Think & Search
Page	Question	Answer
1	How does your skeleton change as you grow?	Your bones
	RT T&S	fuse together
]	How many bones is the skull made of?	
	RT T&S	26
	What functions does the skeleton provide?	Movement
	RT (T&S)	Protection Shabe
2	How many ribs do you have?	24 ribs (na pairs)
	What do the ribs protect?  RT T&S	heart a, lungs, spleen, stomach, liver
2	JOINTS are the places wh	nere two or more bones meet to allow
	movement. Bones are held in place	e by connective tissues.
	One kind of connective tissue is (1)	17 hage. It protects the bones and helps
- 1		is another type of connective
- 1	tissues that holds the bones togeth	
	Bones reed MUSCIES in order	to move. The bones & MUSCLES work
	together to allow movement.	

Page	Question	Answer
2	How is it possible for the skeleton	i i l
	to move?	IOINT MARE 11.
	At C	VIII allo
	(T&S)	000000 W. W. Color
	WU /	WYHHHHUS I
2	What are the 26 bones in your back called?	
	Dack Called?	MartalavaP,
		Vertabrat
	\\/\landa/\landa	
	Why are they important?	Thomas MINIS
		They allow your,
		chint to board and
	RT T&S	Spile 10 DEVIOLETATION
3	What is the longest bone in your	TVVI3
	body called?	
		EOMANIA
		CVVVV
	RT T&S	
1		
	Write a question from page 3 &	
	answer it:	
	RT T&S	
\	What are bones made of?	CALAMA QNA
		nmtpill
(/ R	T&S	P P V V V V V
V	vhat do you need to do to keep	-1000 -110
У	our bones healthy?	EXERCISC,
		1 Aint
		HUXDOU CHE
10	_ '	()
( ) P	T T&S	

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## Your Amazing Thumb

	RT = Right There	T&S = Think & Search
Page	Question	Answer
10	What does the opposable thumb allow you to do?	pick up tiny objects
	RT (T&S)	touch tips of your fingers)
10	What allows the thumb to work	
	the way it does?	a unique gliding
	RT T&S	(saddie joint)
10	What are phalanges?	
	RT T&S	fingers

### Bones on the Outside

	RT = Right There	&S = Think & Search
Page	Question	Answer
11	What is it called if your skeleton is on the outside of your body?  RT T&S	Exoskeleton
11	Who has exoskeletons?  RT T&S	arethropods invertebrates
11	What is an exoskeleton made of?  RT T&S	hard thin tubes and plates

Which is bett	ter? Decide diferredding
	Internal skeleton or exoskeleton? WHT:
Protection	exoskeleton - defends and offers exoskeleton - defends and offers entection against enemies
	internal - it grows with ago
Movement	internal - works together with muscles and joints

## Comparing Joints

	RT = Right There	T&S = Think & Search
Page	Question	Answer
12	How many joints are there in the human body?	more than
	RT) T&S	200
	A hinge joint is the most common type in your body. How does the hinge joint work?  RT T&S	allows movement in one direction
	There are two places to find the ball and socket joint. Where can you find them?  T&S	shoulders and hips

13	Which ball and socket joint is stronger? WHY does it HAVE to be?	Hip - it holds up
	RT T&S	Weight of body
13	What are gliding joints?	2 Flat surfaces that
	RT T&	alide smoothly over
13	Where can you find gliding joints in the human body?	neck ankles
	RT T85	Spine Whists

#### The Broken Radius

Read the story on pages 5-7. Write each answer in complete sentences.
<b>\                                    </b>
What is the name of the bone that Isaac broke
For what reason was Isaac's arm put in a cast?
- X
The state of the s
For what reason might some bones be in a cast for a longer time than others?

#### The Boneyard

Page	Question	Answer
8	How many bones does a newborn have?	about 300
	What are many bones of a baby made of?	cartilage
	How do they change as they get older?	Bones fuse together
	Why is a baby's skull fragile?	skull bones haven't fused yet
	What is the most easily broken bone in the body?	collarbone
	How is the patella different from any other bone?	it's not joined with any other bone
	Where are the smallest bones in our body?	in your ear
	/hat is an interesting fact about one marrow?	Make Millions Of
		blood cells event

Teeth are NOT bone but are made of the hardest substance in our body.