Hair Analysis	s Notes Guide					
	_can be very val	uable to foren	sic scientists.			
-Need to be	with	hair	and			
-A hair is m		layers	: -c_		-c	
*See diagran	n of hair and ski	n layer on onli	ne notes			
Structure of -Draw a picto	<u>Hair</u> ure of the hair fr	om the board	below:			
-What is pro	ximal?					
-What is dist	al?					
<u>C</u>	_					
	covering t			s. Made of overlar	oping	_of; differ i
	anu	Oi scales				
Type of Scale	<u>es</u>					
1	scales: found	on very	hair of	and bats,	in h	umans.
2	or	_scales:	off from s	hafts of hair	found on	
found on	seals, r	ninks, etc.				
3	or flattened s	cales:	(like	on a roof). Fo	ound on	and some animals.
*Draw below	v the pictures of	each scale pat	tern below:			
<u>Cortex</u>						
	Made of		the _	Make	es up	of human hair.
	that giv					
-Forensic sci	entists use	,	, and	of pigment	granules.	

<u>Medulla</u>					
-Made of	that run		the	of the	·
-May be	, interrupted, f	ragmented, or	·	·	
-Forensic scientists	use the	, medullar		and shape.	
Medullary Index					
-diameter of	/ diameter of				
	→ index is <1/3				
	→ index is >1/2				
-Thus	generally have a	medulla.			
THE ROOT	different ha	sed on whethe	r they have been	remo	oved or if they are
	-Human roots different bas			roots will vary, but in general have a	
sha				_ 10000 11111 1011 11 6	eneral nave a
Hair	_				
-B/c humansidentification.	their hair with _		or other	, this	in
	can be in the				
-Bleaching	the cold	or and gives it a	a	·	
	of colored "		helps with ID.		
Ш	air 1 cm	/ month			

<sup>\*</sup>Remember the picture-examples online.

## **ANALYSIS PROCESS**

1 <sup>st</sup> determine whether hair	s or	·		
If: the	y compare hair to that of suspe	ects using	·	
Then determine	of	: scalp, body,	, etc.	
Hair can be used to determi	ne			
If: they _	the animal.			
*Remember the picture-exar	nples online.			
Other Important Points				
Hair is one of	types of trace	evidence.		
Hair NOT	type evidence unless the	is present (c	an obtain	sample from
ive in hair	).			
Hair CAN be used to evidence.	suspects or scen	arios and to CORROBORAT	E (	) other
ONA from Hair				
The contains _		. If the hair has been		, some
tissue may be	attachedDN	IA.		
The	contains abundant _	DNA, inhe	erited only from	the
It can be typ	ed by comparing	_ if no DNA from the body	is available. Th	is process is more
and	than using nuclear DNA.			