Mendel's hypotheses:	
1. For each	trait
in dividual la a truca	-

I. For eachtrait, anindividual has twoof thegene- one from each

2. There are alternative of genes called _____.

together, one of	•
completely	, while
the other may ha	ive no
e	effect on the
organism's	•

Dominant-

Recessive-

4. When _____are formed, the alleles for each gene in an individual ______independently of each other. Thus, gametes carry only one _____for each inherited trait. When gametes ______during fertilization, each gamete ______one allele.

Writing the traits

homozygous dominant

heterzygous

homozygous recessive



What is the phenotype of this child?

Characteristic	Dominant	Recessive
Dimpled	Dimples	No dimples
cheeks	DD or Dd	dd
Tongue Roller	Roller	Non-roller
	RR or Rr	п
Free Earlobes	Free	Attached
	EE or Ee	ee
Freckles	Freckles	Absent
	FF or Ff	ff
Hair form	Curly	Straight
	HH or Hh	hh
Widow's peak	Present	Absent
	WW or	ww
	Ww	

What is the phenotype of this child?

Recessive
No dimples
dd
Non-roller
rr
Attached
ee
Absent
ff
Straight
hh
Absent
ww