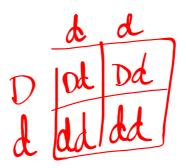
## **Bell Work**

January 18th



1. Dimples are dominant. Cross a heterozygous woman with a man who doesn't have dimples. What is the probability they will have a child without dimples?

# Cienetic Disorders (Normal Dominance)

Recessive Disorders

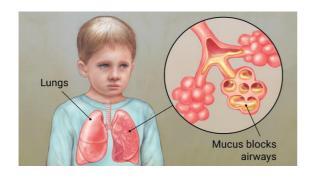
- genotype: homozygous recossive

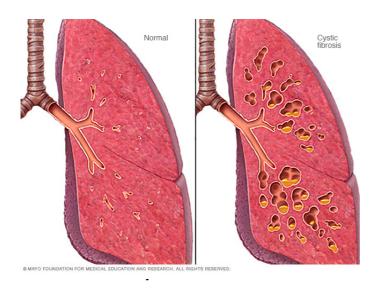
- Carrier : individual who has a heterozygous genotype, does not have the

disorder but can pass

a recessive allele to

examples: cystic fibrosis (CF)
albinism











## Recessive genetic disorders

1. Cross a woman who doesn't have cystic fibrosis with man who is a carrier.

a AalAa

2. Cross a woman who is a carrier of albinism with a man who is a carrier of albinism.

#### **Bell Work**

### January 19th



- 1. What does the term carrier mean?
- 2. Albinism is a <u>recessive</u> disorder. Cross a woman who is a carrier with a man who is albino.
- 3. What is the probability they will have a child who is albino? What is the probability they will have a child who is a carrier?

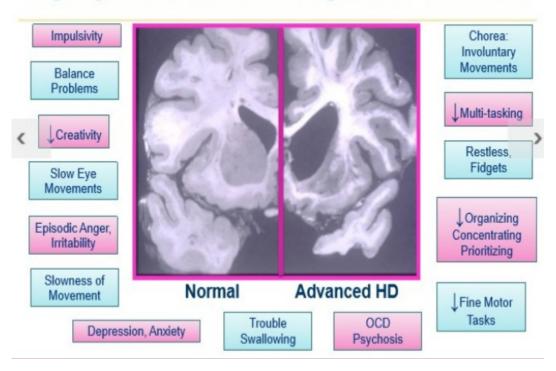
Dominant Disorders
- only need to inherit

1 dominant allele

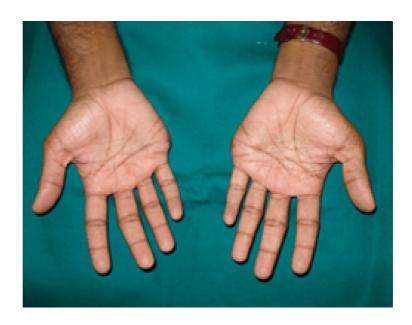
examples: achondroplasia
thuntington's disease
Polydactyly



## Symptoms in Huntington's disease







## Dominant genetic disorders

1. Cross a man and a woman who are both heterozgous for polydactyly.



2. Cross a heterozygous woman with huntington's disease and a man without huntington's disease.