

Name: *Answer Key*

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Genetics Practice Problems from http://www.biologycorner.com/worksheets/genetics_practice.html

1. For each genotype, indicate whether it is heterozygous (HE) or homozygous (HO)

AA *HO*

Ee *HE*

Ii *HE*

Mm *HE*

Bb *HE*

ff *HO*

Jj *HE*

nn *HO*

Cc *HE*

GG *HO*

kk *HO*

OO *HO*

Dd *HE*

HH *HO*

Ll *HE*

Pp *HE*

2. For each of the genotypes below, determine the phenotype.

Purple flowers are dominant to white flowers

PP *purple*

Pp *purple*

pp *white*

Brown eyes are dominant to blue eyes

BB *brown*

Bb *brown*

bb *blue*

Round seeds are dominant to wrinkled

RR *round*

Rr *round*

rr *wrinkled*

Bobtails are recessive (long tails dominant)

TT *long tail*

Tt *long tail*

tt *bobtail*

3. For each phenotype, list the genotypes. (Remember to use the letter of the dominant trait)

Straight hair is dominant to curly.

SS *straight*

Ss *straight*

ss *curly*

Pointed heads are dominant to round heads.

PP *pointed*

Pp *pointed*

pp *round*

4. Set up the square for each of the crosses listed below. The trait being studied is round seeds (dominant) and wrinkled seeds (recessive)

Rr x rr

	R	r
r	Rr	rr
r	Rr	rr

What percentage of the offspring will be round? *50%*

Rr x Rr

	R	r
R	RR	Rr
r	Rr	rr

What percentage of the offspring will be round? *75%*

Genetics Problems Worksheet Answer Key

J Elliott



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a break pressure tank which includes a tank structure a pipe arrangement defining a flow line leading through the tank structure from an inlet end connectable to a pipeline from reservoir and entering the tank structure near the top end thereof o an outlet end connectable to a pipeline leading to water supply points and leaving the tank

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construction the break pressure tank consists of the following 1000l 3cr12 stainless steel tank basket strainer with flush valve butterfly valve for isolation diaphragm operated level control valve inlet outlet and overflow pipe work operation the diaphragm valve in the bpt opens and closes as system demand fluctuates

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break pressure tank is a structure that is located between a water reservoir and supply point with the aim of reducing the pressure in the system to zero atmospheric pressure conventional break pressure tank is constructed of concrete in rectangular shape with the depth of the tank about 1.2m

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if you need to reduce the pressure in a water network you can either use a break pressure tank or a pressure reducing valve the following video demonstrates how to model and analyse a water network with a break pressure tank this video can also be found in our training on demand site bulk water channel

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aug 17 2020 after planning and selecting the site now turn to construct the bpt mostly the bpt is constructed downstream it is generally constructed of stone masonry rcc ferro cement etc bpt is a rectangular tank structure having a base of 1000mm 1000mm and a height of 1200mm

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this invention relates to a break pressure tank a break pressure tank as herein envisaged is used in a downstream location

with respect to a water reservoir particularly for reducing and
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even today the ryū retains the traditionally strict custom in which a candidate for study in the ryū is required to execute the

keppan signing in the person's own blood a solemn oath to abide by the policies of the ryū

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katori shinto ryu a martial tradition this art is one of the oldest japanese martial arts founded in 1447 it is an intangible cultural asset and is an officially recognised ryu of the nihon kobudo shinkokai classical martial arts promotion association it has been the source for and has influenced the development of many other arts and sports such as kendo iaido jujutsu and

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tenshin shōden katori shintō ryū 天心新伝 小太刀流 - Aug 06 2022

the tenshin shōden katori shintō ryū is a comprehensive martial system this means that unlike modern martial ways such as kendo or iaido which concentrate on one specific area study is made of a broad range of martial and outdoor skills

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the main line of tenshin shōden katori shintō ryū is currently represented by the kyōsō shibu led by kyōsō shigetoshi 6 Ōtake risuke s younger son the honbu dojo is located at iizasa yasusada s home near the katori shrine and is used by branches in

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la fondation de la tradition katori shintō ryū repose sur une révélation celle de futsu nushi no kami 天心新伝 reçue par le fondateur lors d'une ascèse de mille jours sen nichu gyō misogi dans le sanctuaire du katori jingū d'où le nom de l'école qui

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web introduction aldol condensations are essential to organic synthesis because they are able to produce carbon carbon bonds an enolate anion is formed starting aldol condensation the enolate anion comes from an aldehyde or a ketone enolizable aldehydes and ketones undergo a reaction when either an acid or base catalyst is present

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web dibenzalacetone was synthesized in the lab from benzaldehyde and acetone under basic conditions the gc ms was used to relate the molar mass of the product thin layer chromatography was used to visualize the relative rf factor for each isomer uv vis instrument showed three peaks that were assigned to each isomer

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web an aldol reaction was performed by combining acetone and benzaldehyde to make dibenzalacetone the percent yield of dibenzalacetone was found to be 73 which is a good percent yield the melting point of dibenzalacetone was around the range of 104 110 c this helped conclude that dibenzalacetone had a trans trans e e isomer

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web oct 25 2013 experiment performed on may 6 and 8 2003 br the purpose strong of strong this experiment was to synthesize dibenzalacetone via an aldol condensation reaction br between acetone and benzaldehyde this was done by mixing the two reactants with naoh and ethanol br

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web dibenzalacetone a introduction in an aldol condensation two molecules of aldehyde or ketone are joined together along with the loss of water for example in the aldol condensation shown in figure 1 two molecules of ethanal are reacted to produce an a b unsaturated aldehyde and water figure 1 aldol condensation of ethanal to